

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER



FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-0149767</b>
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>
2. Name of Operator <b>KERR MCGEE OIL AND GAS ONSHORE LP</b>		7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>
3A. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>		8. Lease Name and Well No. <b>NBU 921-9C</b>
3b. Phone No. (include area code) <b>(435) 781-7024</b>		9. API Well No. <b>43-047-39241</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>NE/NW 896'FWL, 1569'FWL</b> At proposed prod. Zone <b>44346904 40.055401 -109.559921</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
11. Distance in miles and direction from nearest town or post office* <b>10.3 +/- MILES FROM OURAY, UTAH</b>		11. Sec., T., R., M., or Blk, and Survey or Area <b>SEC. 9, T9S, R21E</b>
12. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>896'</b>	16. No. of Acres in lease <b>777.33</b>	17. Spacing Unit dedicated to this well <b>40.00</b>
18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>	19. Proposed Depth <b>10,560'</b>	20. BLM/BIA Bond No. on file <b>RLB0005239</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>4717'GL</b>	22. Approximate date work will start* <b>UPON APPROVAL</b>	23. Estimated duration <b>TO BE DETERMINED</b>

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.   | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>4/18/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>04-26-07</b>
Title <b>ENVIRONMENTAL MANAGER</b>	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

APR 23 2007

Federal Approval of this  
Action Is Necessary

DIV. OF OIL, GAS & MINING

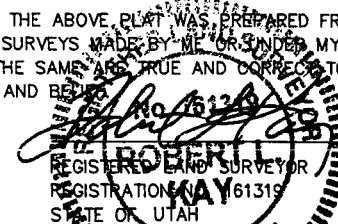
S89°56'01"W - 2641.78' (Meas.)  
 S89°58'W - 2638.02' (G.L.O.)  
 Uintah County Copper Weld (Steel Post 4' West)  
 2006 Alum. Cap, Pile of Stones  
 Section Corner Established By Double Proportion Method (Not Set)  
 NBU #921-9C  
 Elev. Ungraded Ground = 4717'  
 1569'  
 896'  
 5-8" Rebar  
 9  
 2006 Alum. Cap, 0.7' High, Pile of Stones  
 2006 Alum. Cap, 0.4' High, Pile of Stones  
 2006 Alum. Cap, Pile of Stones  
 2006 Alum. Cap, Pile of Stones  
 N00°07'31"W - 2649.12' (Meas.)  
 N00°05'46"E - 2638.43' (Meas.)  
 N89°58'20"W - 2638.41' (Meas.)  
 N89°58'47"W - 2638.37' (Meas.)  
 N00°02'W - 2640.00' (G.L.O.)  
 N00°00'28"W - 2643.77' (Meas.)

$\Delta$  = SECTION CORNERS RE-ESTABLISHED. (Not Set On Ground)

(NAD 83)  
LATITUDE = 40°03'19.54" (40.055428)  
LONGITUDE = 109°33'38.12" (109.560589)

(NAD 27)  
LATITUDE = 40°03'19.67" (40.055464)  
LONGITUDE = 109°33'35.64" (109.559900)

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.



UTAH ENGINEERING & LAND SURVEYING  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-26-07	DATE DRAWN: 01-26-07
PARTY L.K. J.M. S.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 921-9C  
NE/NW Sec. 9, T9S, R21E  
UINTAH COUNTY, UTAH

~~UTU 01193~~

utu - 8149767

ONSHORE ORDER NO. 1

***DRILLING PROGRAM***

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1843'
Top of Birds Nest Water	2168'
Mahogany	2543'
Wasatch	5299'
Mesaverde	8363'
MVU2	9346'
MVL1	9901'
TD	10,560'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1843'
	Top of Birds Nest Water	2168'
	Mahogany	2543'
Gas	Wasatch	5299'
Gas	Mesaverde	8363'
Gas	MVU2	9346'
Gas	MVL1	9901'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

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4. **Proposed Casing & Cementing Program:**

*Please see the Natural Buttes Unit SOP.*

5. **Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

6. **Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,560' TD, approximately equals 6547 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4224 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please see Natural Buttes Unit SOP.*

10. **Other Information:**

*Please see Natural Buttes Unit SOP.*

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**KERR-McGEE OIL & GAS ONSHORE LP**  
**DRILLING PROGRAM**

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	April 18, 2007		
WELL NAME	NBU 921-9C	TD	10,560'	MD/TVC	
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah
		ELEVATION	4,716'	GL	KB 4,731'
SURFACE LOCATION	NE/NW SEC. 9, T9S, R21E 896'FNL, 569'FWL			BHL	Straight Hole
	Latitude: 40.055428	Longitude:	109.560589		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: TRIBAL (SURF & MINERALS), BLM, UDOGM, Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
			**For wells w/ surf csg set below 2200' app 10 jts of 3ft# J55 will be run on bottom		
Catch water sample, if possible, from 0 to 5,299'	Green River @ 1,843'				
	Top of Birds Nest Water @ 2,168'				
	Mahogany @ 2,543'				
	Preset f/ GL @ 2,700' MD				
	Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.				
Mud logging program TBD			7-7/8"	4-1.2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-12.0 ppg
Open hole logging program f/ TD - surf csg	Wasatch @ 5,299'				
	Mverde @ 8,363'				
	MVU2 @ 9,346'				
	MVL1 @ 9,901'				
	TD @ 10,560'				Max anticipated Mud required 12.0 ppg

# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

	SIZE	INTERVAL	WT	GR	CPLG	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2300	32.30	H-40	STC	0.53*****	1.27	3.33
						3520	2020	564000
	9-5/8"	2300 to 2700	36.00	J-55	STC	1.05*****	1.60	7.39
PRODUCTION						7780	6350	201000
	4-1/2"	0 to 10560	11.60	I-80	LTC	1.82	0.96	1.88

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 12.0 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)
- MASP 4266 psi
- \*\*\*\*\* Burst SF is low but csg is stronger than formation at 2700 feet
- \*\*\*\*\* EMW @ 2700 for 2270# is 16.2 ppg or 0.8 psi/ft

## CEMENT PROGRAM

		DEPTH	DESCRIPTION	SACKS	EXCESS	WEIGHT	LENGTH
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	LEAD	2000	NOTE: If well will circulate water to surface, option 2 will be utilized				
			Prem cmt + 6% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,790'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	520	60%	11.00	3.38
	TAIL	5,770'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1610	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

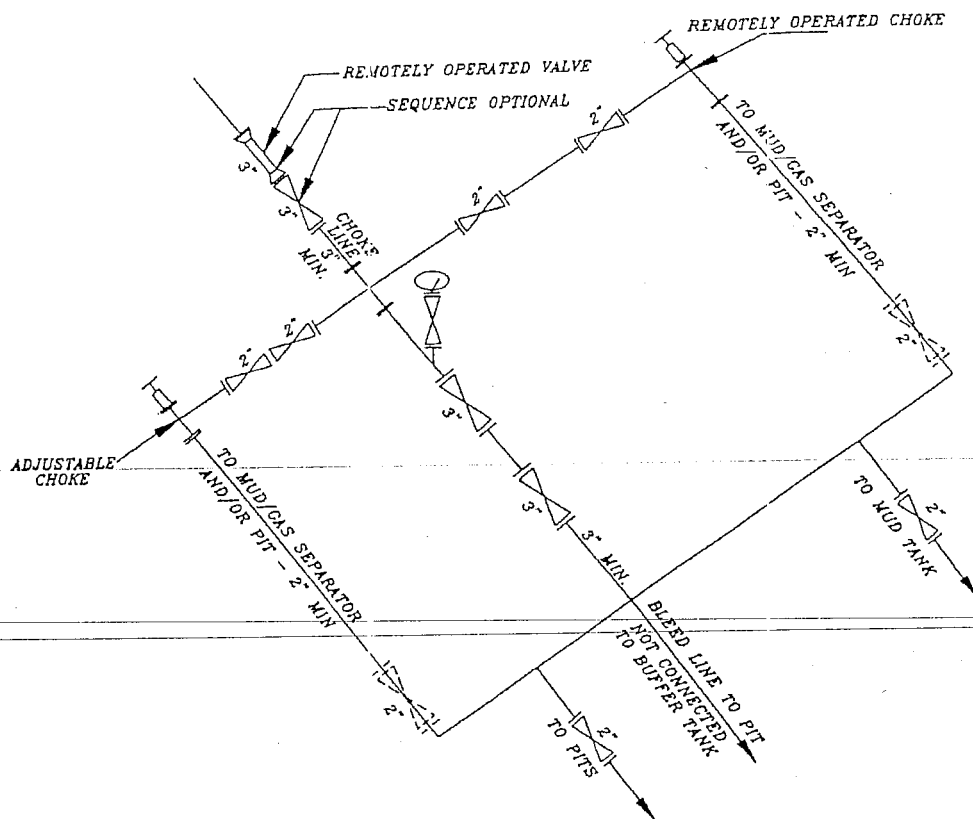
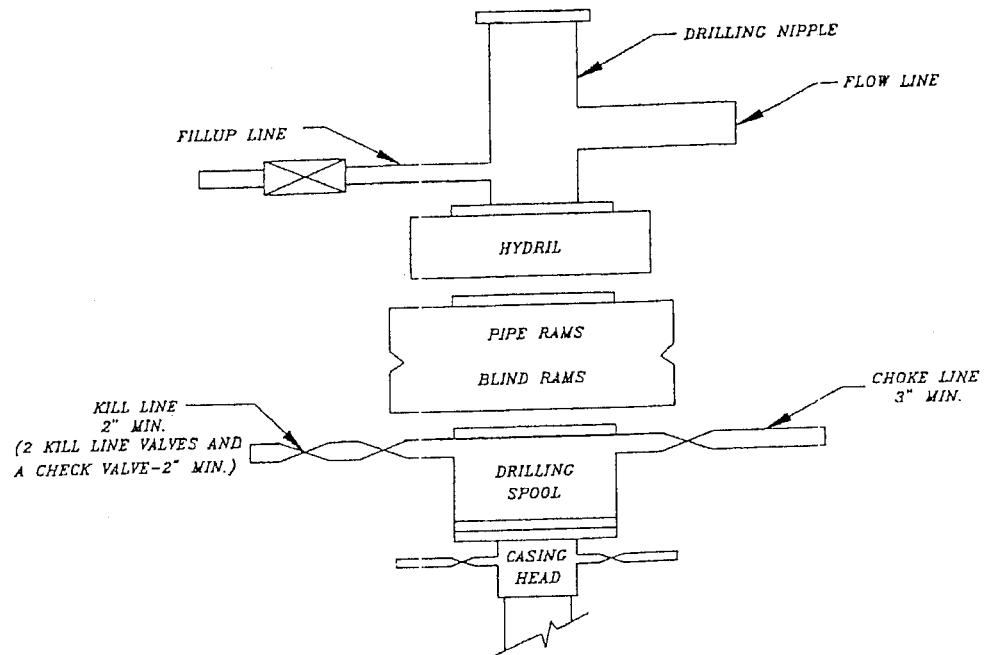
DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 921-9C  
NE/NW SEC. 9, T9S, R21E  
UINTAH COUNTY, UTAH  
~~UTU-01193~~  
44-0149767  
ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

**2. Planned Access Roads:**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

Approximately 250' +/- of new access road. Please refer to the attached Topo Map B.

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

*Please see the Natural Buttes Unit SOP.*

Approximately 1882' +/- of 4" pipeline is proposed from the location to an existing pipeline.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

**5. Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

**6. Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

**7. Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).



8. **Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

*Please see the Natural Buttes SOP.*

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe  
P.O. Box 70  
Fort Duchesne, Utah 84026  
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

**13. Lessee's or Operator's Representative & Certification:**

Sheila Upchego  
Senior Land Admin Specialist  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7013

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

4/18/2007

Date

# Kerr-McGee Oil & Gas Onshore LP

NBU #921-9C

SECTION 9, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 250' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 41.3 MILES.

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# Kerr-McGee Oil & Gas Onshore LP

NBU #921-9C

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 9, T9S, R21E, S.L.B.&M.

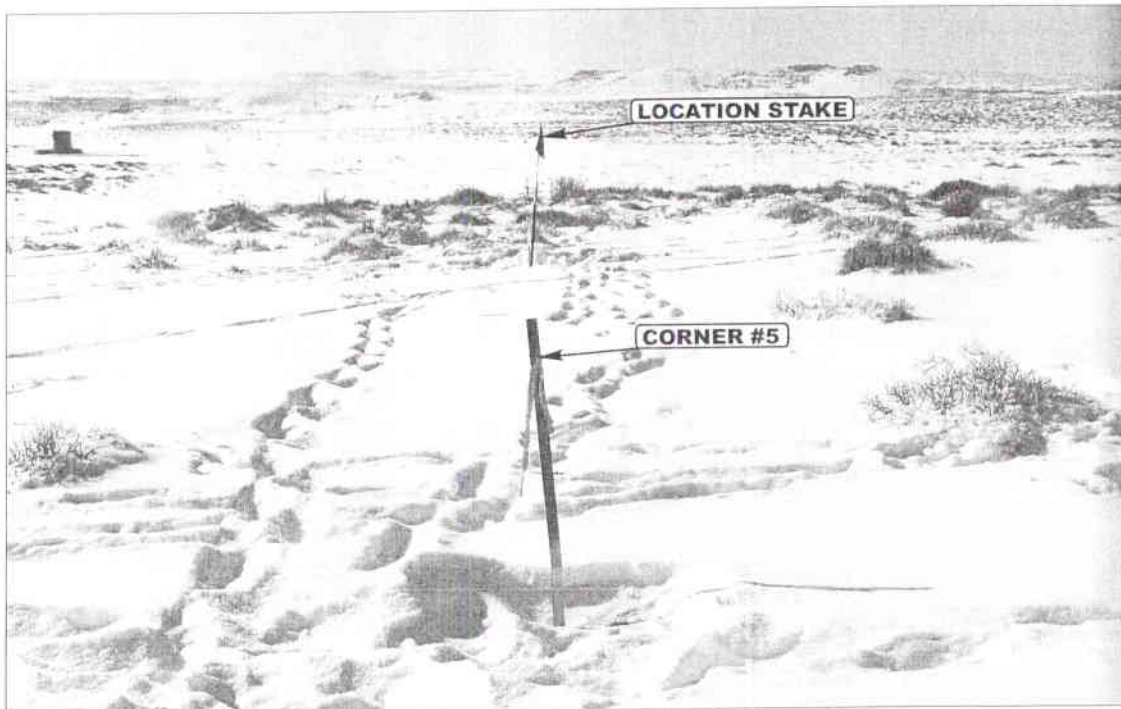


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

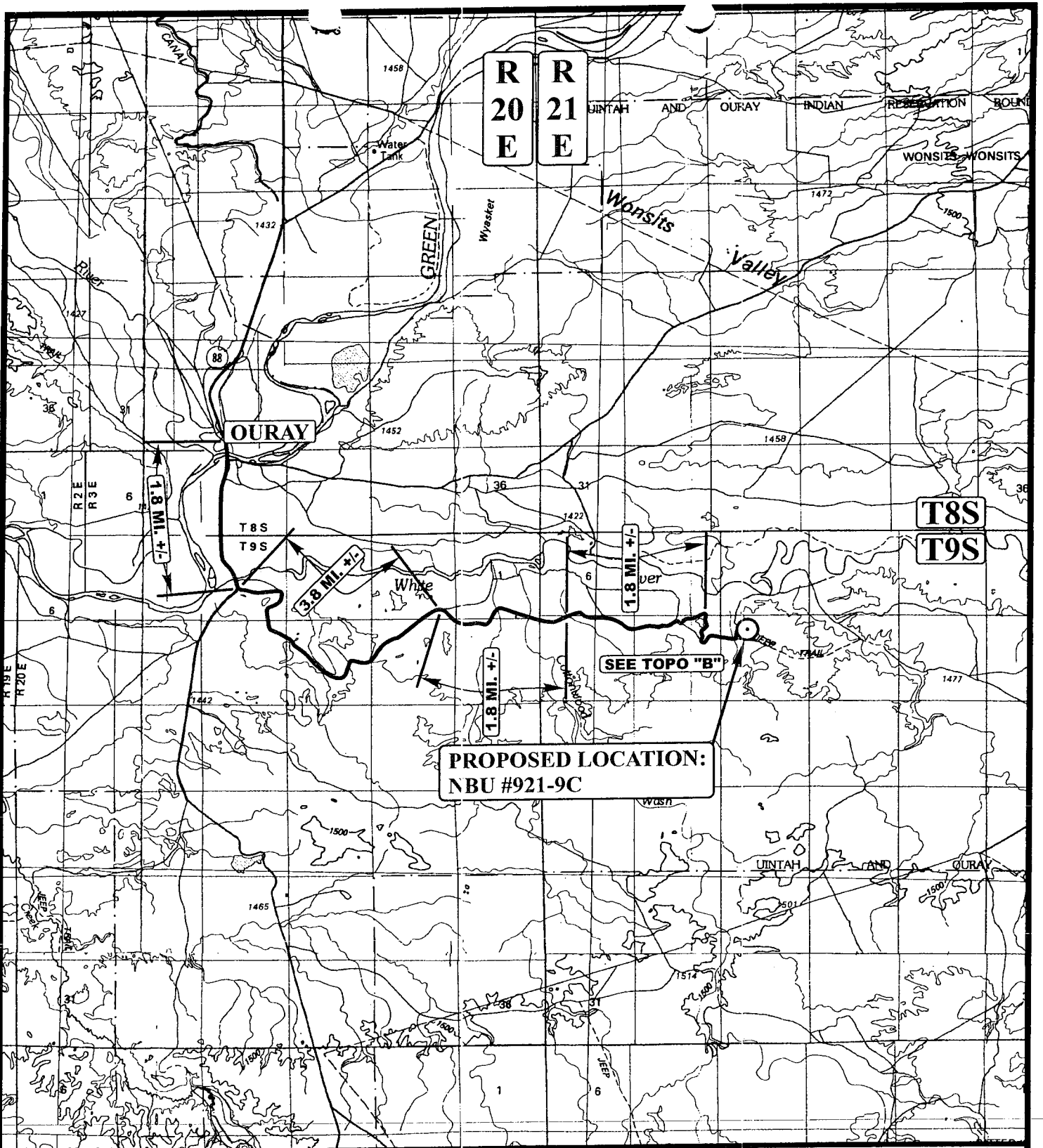
01 29 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00



# LEGEND:

○ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #921-9C

SECTION 9, T9S, R21E, S.L.B.&M.

896' FNL 1569' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

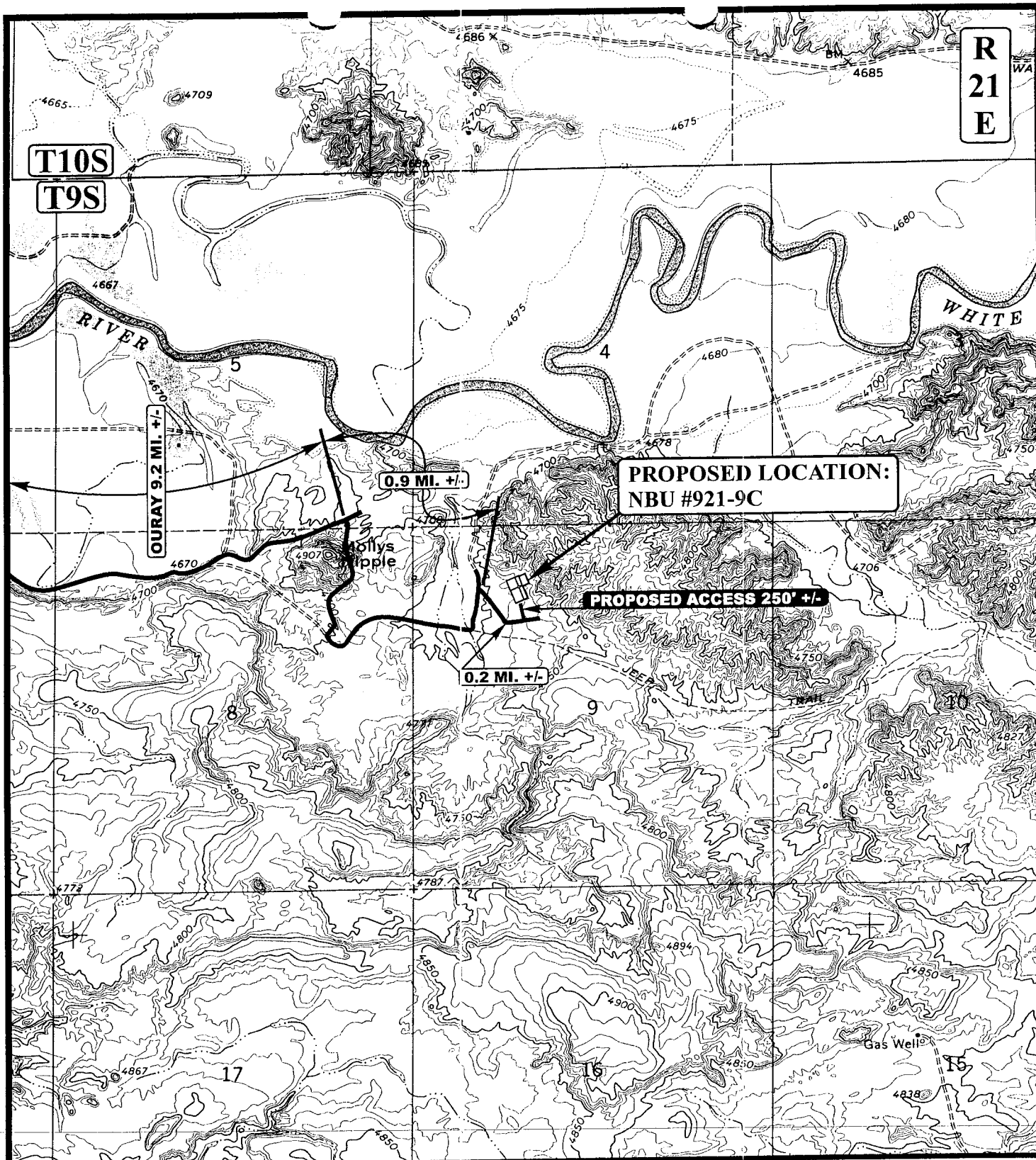


TOPOGRAPHIC  
MAP



01 29 07  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





# **LEGEND:**

 EXISTING ROAD  
 PROPOSED ACCESS ROAD



**Kerr-McGee Oil & Gas Onshore LP**

**NBU #921-9C**

**SECTION 9, T9S, R21E, S.L.B.&M.**

**896' FNL 1569' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

01	29	07
MONTH	DAY	YEAR

SCALE: 1" = 2000'    DRAWN BY: C.P.    REVISED: 00-00-00

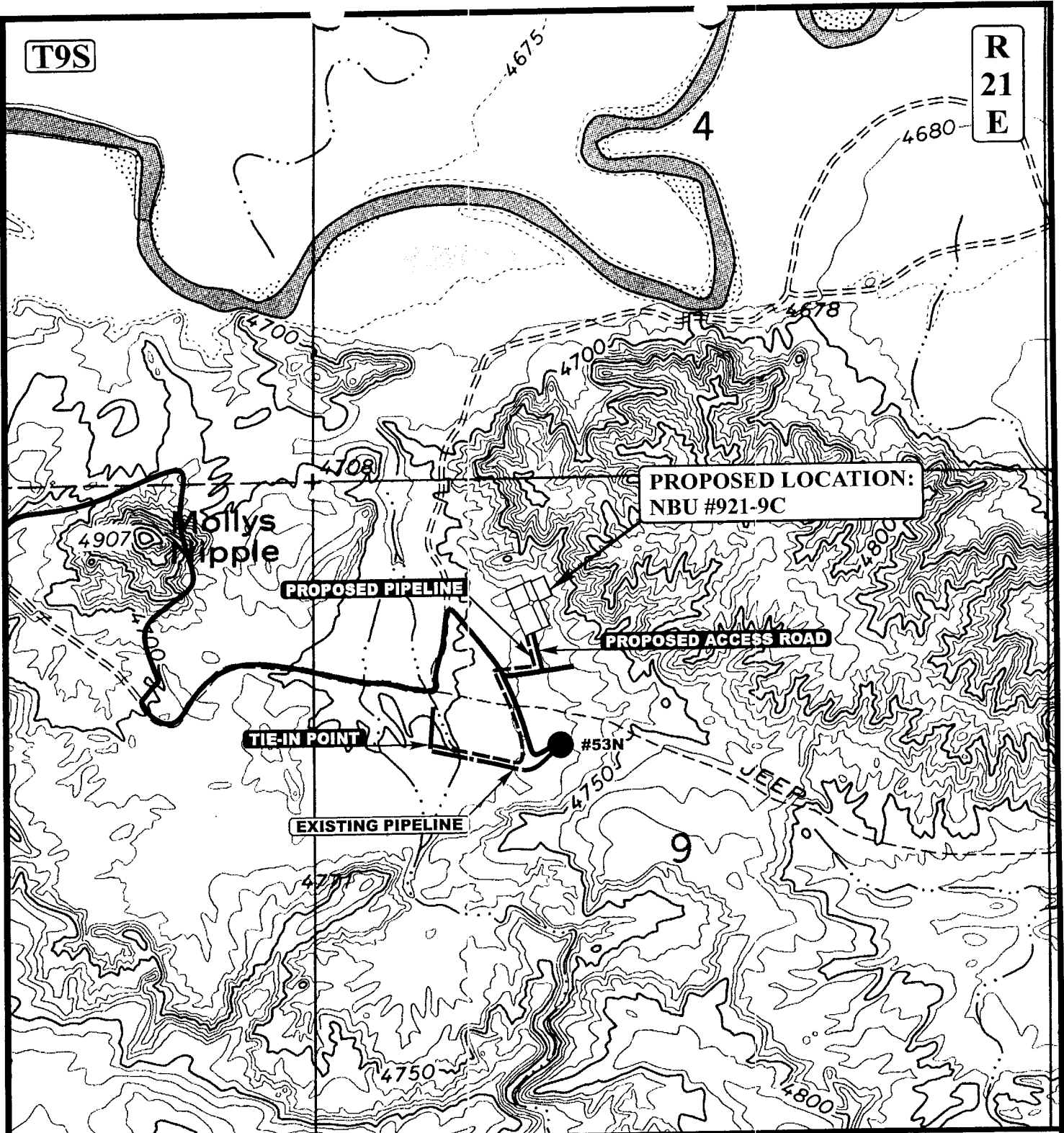
**B**  
**TOPO**





T9S

R  
21  
E



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,882' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



**Kerr-McGee Oil & Gas Onshore LP**

NBU #921-9C

SECTION 9, T9S, R21E, S.L.B.&M.

896' FNL 1569' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

01	29	07
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00

**D**  
TOPO



# Kerr-McGee Oil & Gas Onshore LP

NBU #921-9C

PIPELINE ALIGNMENT

LOCATED IN UTAH COUNTY, UTAH

SECTION 9, T9S, R21E, S.L.B.&M.

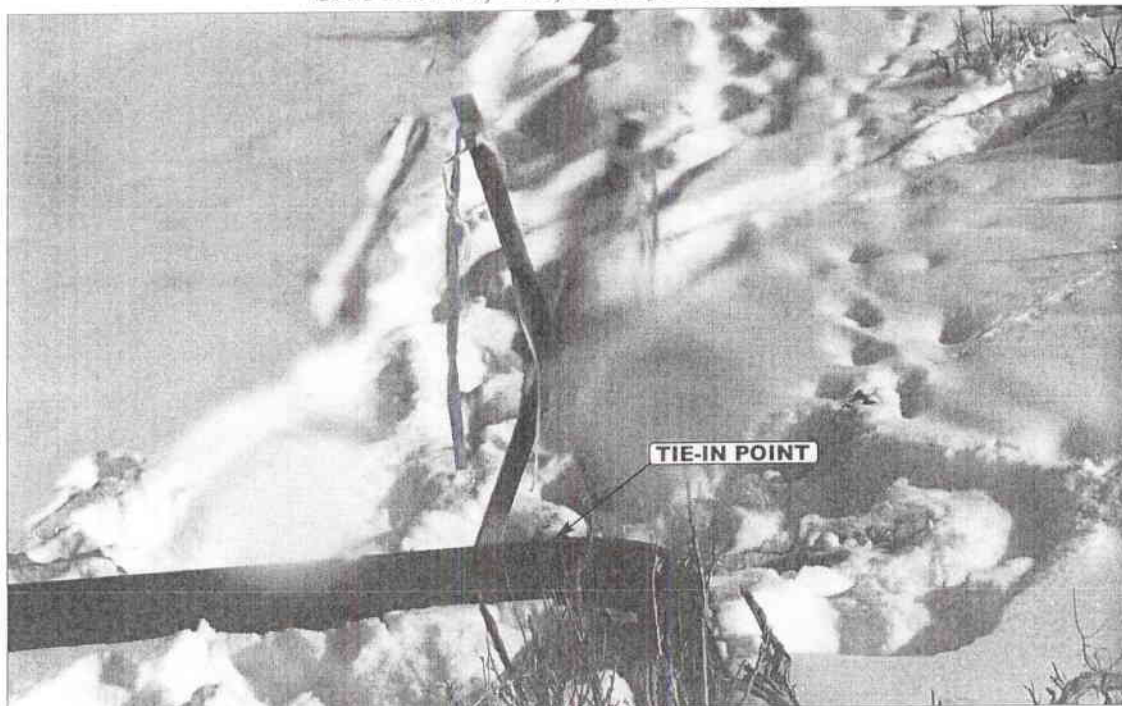


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

01 29 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

## LOCATION LAYOUT FOR

NBU #921-9C  
SECTION 9, T9S, R21E, S.L.B.&M.  
896' FNL 1569' FWL

Proposed Access Road

Install CMP as Needed

F-2.5'  
El. 713.2'

C-5.7'  
El. 721.4'

Existing Drainage

C-2.8'  
El. 718.5'

Existing Drainage

Round Corners as Needed

Approx. Top of Cut Slope

Existing Drainage

SCALE: 1" = 50'  
DATE: 01-26-07  
Drawn By: S.L.

CONSTRUCT DIVERSION DITCH

### NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

Pit Topsoil

PIPE TUBS

PIPE RACKS

FLARE PIT C-3.6'  
El. 719.3'

Blood Line

El. 726.1'  
C-20.4'  
(btm. pit)

Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH

RESERVE PITS (10' Deep)  
Total Pit Capacity  
W/2' of Freeboard  
= 9,850 Bbls. ±  
Total Pit Volume  
= 2,780 Cu. Yds.

SLOPE 1 1/2 : 1

C-3.8'  
El. 719.5'

58'

MUD TANKS

MUD TANKS

PUMP HOUSE

TRASH

C-4.4'  
El. 720.1'

PIROPEANE STORAGE

C-0.9'  
El. 716.6'

RIG

DOG HOUSE

LIGHT PLANT

BOILER

TOILET

TRAILER

WATER TANK

Sta. 1+50

F-5.9'  
El. 709.8'

Sta. 0+00

F-4.2'  
El. 711.5'

C-4.9'  
El. 720.5'

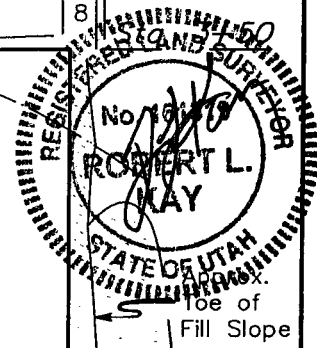
C-2.0'  
El. 717.7'

### NOTES:

Elev. Ungraded Ground At Loc. Stake = 4716.6'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4715.7'

CONSTRUCT DIVERSION DITCH

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

## TYPICAL CROSS SECTIONS FOR

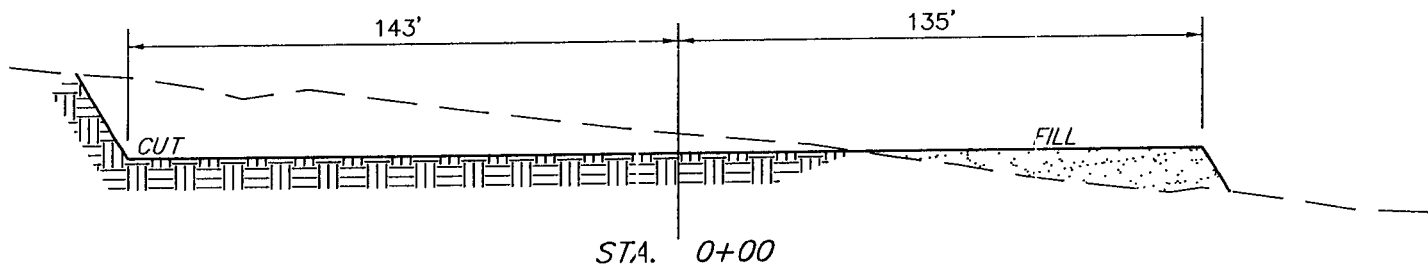
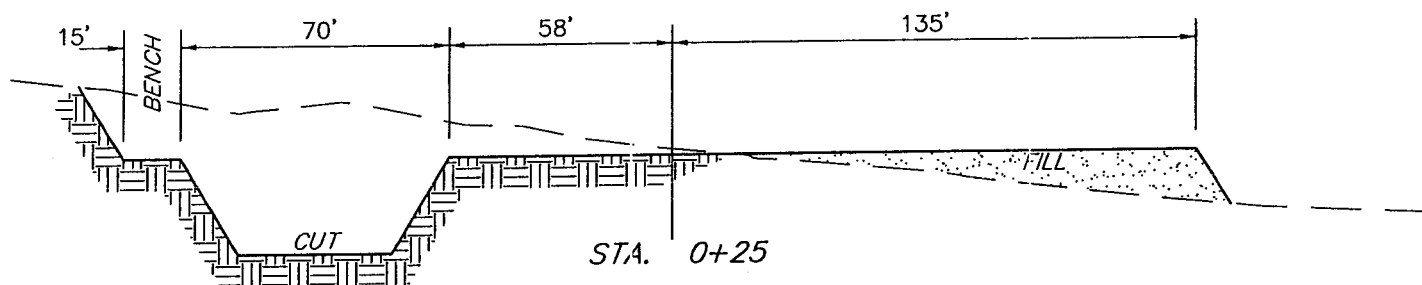
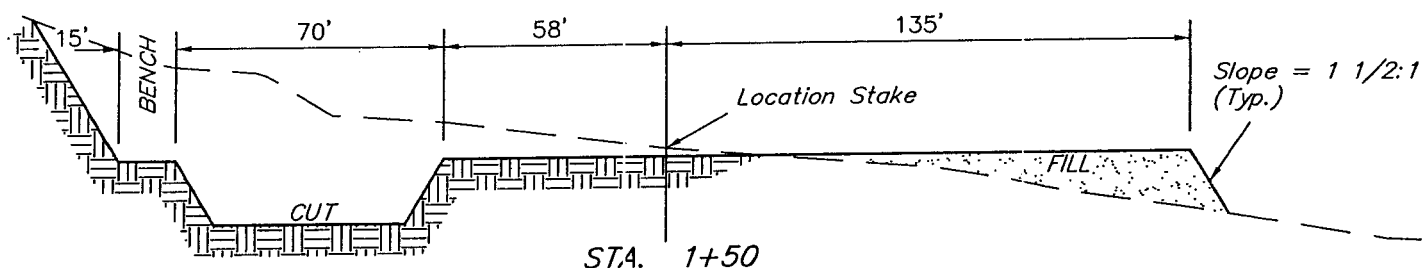
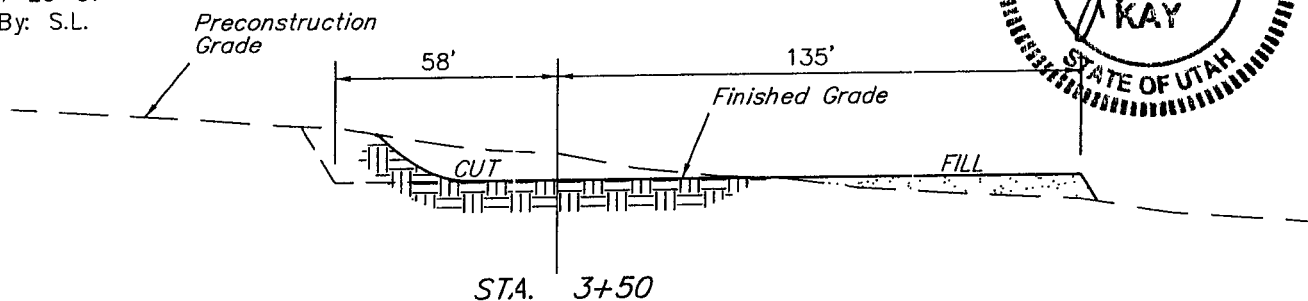
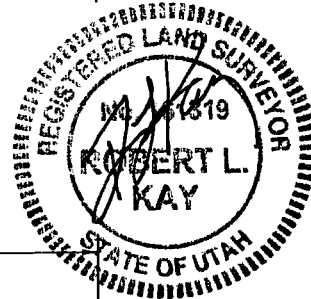
NBU #921-9C

SECTION 9, T9S, R21E, S.L.B.&M.

896' FNL 1569' FWL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 01-26-07  
Drawn By: S.L.



### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### \* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT  
(12") Topsoil Stripping = 3,560 Cu. Yds.  
Remaining Location = 7,690 Cu. Yds.  
TOTAL CUT = 11,250 CU.YDS.  
FILL = 6,300 CU.YDS.

EXCESS MATERIAL = 4,950 Cu. Yds.  
Topsoil & Pit Backfill = 4,950 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East " Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/23/2007

API NO. ASSIGNED: 43-047-39241

WELL NAME: NBU 921-9C

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

**PROPOSED LOCATION:**

NENW 09 090S 210E

SURFACE: 0896 FNL 1569 FWL

BOTTOM: 0896 FNL 1569 FWL

COUNTY: Uintah

LATITUDE: 40.05540 LONGITUDE: -109.5599

UTM SURF EASTINGS: 622831 NORTHINGS: 4434690

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0149767

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. RLB0005239 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-8496 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

\_\_\_ R649-2-3.  
Unit: NATURAL BUTTES  
\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 17314  
Eff Date: 12-2-99  
Siting: 460' W of & Uncomm. Tract  
\_\_\_ R649-3-11. Directional Drill

COMMENTS:

*Sup. Separate file*

STIPULATIONS:

*1- Fed. Approval  
2- Oil SHALE*



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

April 25, 2007

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2007 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39237	NBU 921-8B	Sec 08 T09S R21E 0528 FNL 2080 FEL
43-047-39238	NBU 921-8H	Sec 08 T09S R21E 1870 FNL 0837 FEL
43-047-39239	NBU 921-8P	Sec 08 T09S R21E 0533 FSL 0578 FEL
43-047-39240	NBU 921-9K	Sec 09 T09S R21E 2633 FSL 2383 FWL
43-047-39241	NBU 921-9C	Sec 09 T09S R21E 0896 FNL 1569 FWL
43-047-39254	NBU 921-16P	Sec 16 T09S R21E 0537 FSL 0610 FEL
43-047-39255	NBU 921-18D	Sec 18 T09S R21E 0550 FNL 0827 FWL
43-047-39256	NBU 921-21L	Sec 21 T09S R21E 1785 FSL 0797 FWL
43-047-39242	NBU 921-10H	Sec 10 T09S R21E 1472 FNL 1104 FEL
43-047-39243	NBU 921-13H	Sec 13 T09S R21E 2323 FNL 0531 FEL
43-047-39244	NBU 921-13E	Sec 13 T09S R21E 1818 FNL 0851 FWL
43-047-39245	NBU 921-13LT	Sec 13 T09S R21E 1465 FSL 0792 FWL
43-047-39246	NBU 921-14B	Sec 14 T09S R21E 0822 FNL 1764 FEL
43-047-39247	NBU 921-14D	Sec 14 T09S R21E 0465 FNL 0542 FWL
43-047-39248	NBU 921-14P	Sec 14 T09S R21E 0878 FSL 1163 FEL
43-047-39249	NBU 921-14A	Sec 14 T09S R21E 1239 FNL 0883 FEL
43-047-39250	NBU 921-14G	Sec 14 T09S R21E 2319 FNL 1996 FEL
43-047-39251	NBU 921-14H	Sec 14 T09S R21E 2088 FNL 0422 FEL
43-047-39252	NBU 921-15E	Sec 15 T09S R21E 2184 FNL 0636 FWL
43-047-39253	NBU 921-15L	Sec 15 T09S R21E 2015 FSL 0713 FWL



We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:4-25-07



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 26, 2007

Kerr McGee Oil and Gas Onshore LP  
1368 S 1200 E  
Vernal, UT 84078

Re: Natural Buttes Unit 921-9C Well, 896' FNL, 1569' FWL, NE NW, Sec. 9,  
T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39241.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office



Operator: Kerr McGee Oil and Gas Onshore LP  
Well Name & Number Natural Buttes Unit 921-9C  
API Number: 43-047-39241  
Lease: UTU-0149767

Location: NE NW Sec. 9 T. 9 South R. 21 East

#### Conditions of Approval

##### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

##### 2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office  
(801) 733-0983 home

##### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

RECEIVED  
VERNAL FIELD OFFICE

2007 APR 19 AM 11:58

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. <b>UTU-0149767</b>
6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>
7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>
8. Lease Name and Well No. <b>NBU 921-9C</b>
9. API Well No. <b>43 047 39241</b>
10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
11. Sec., T., R., M., or Blk. and Survey or Area <b>SEC. 9, T9S, R21E</b>
12. County or Parish <b>UINTAH</b>
13. State <b>UTAH</b>

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator  
**KERR MCGEE OIL AND GAS ONSHORE LP**

3A. Address  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface **NE/NW 896'FNL, 1569'FWL**

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office\*

**10.3 +/- MILES FROM OURAY, UTAH**

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) **896'**

16. No. of Acres in lease

**777.33**

17. Spacing Unit dedicated to this well

**40.00**

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

**REFER TO  
TOPO C**

19. Proposed Depth

**10,560'**

20. BLM/BIA Bond No. on file

**RLB0005239**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**4717'GL**

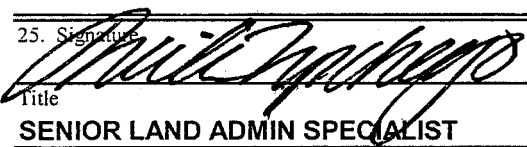
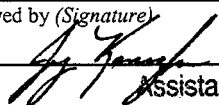
22. Approximate date work will start\*  
**UPON APPROVAL**

23. Estimated duration  
**TO BE DETERMINED**

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.   | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>4/18/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>Jerry Kevaka</b>	Date <b>3-13-2008</b>
Title <b>Assistant Field Manager Lands &amp; Mineral Resources</b>	Office <b>VERNAL FIELD OFFICE</b>	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

MAR 18 2008

DIV. OF OIL, GAS & MINING

NO NOS  
046XJ4030A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Kerr-McGee Oil & Gas Onshore, LP Location: NENW, Sec. 9, T9S, R21E  
Well No: NBU 921-9C Lease No: UTU-0149767  
API No: 43-047-39241 Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3425

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

## ***SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)***

### **General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

### **Specific Surface COAs**

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include

deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/NW SEC. 9, T9S, R21E 896'FNL, 1569'FWL**

5. Lease Serial No.

**UTU-0149767**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-9C**

9. API Well No.

**4304739241**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other DOGM APD EXTENSION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE  
SUBJECT WELL LOCATION, SO THE DRILLING OPERATIONS MAY BE COMPLETED.

THE ORIGINAL APD WAS APPROVED BY **Approved by the** OIL, GAS AND MINING DEPARTMENT  
ON APRIL 26, 2007. **Utah Division of**

**COPY SENT TO OPERATOR**

**Oil, Gas and Mining**

Date: **5.6.2008**

Initials: **KS**

Date: **05-05-08**

By: **[Signature]**

**RECEIVED**

**MAY 02 2008**

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**April 22, 2008**

**DIV. OF OIL, GAS & MINING**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304739241  
**Well Name:** NBU 921-9C  
**Location:** NE/NW SEC. 9, T9S, R21E  
**Company Permit Issued to:** KERR McGEE OIL & GAS ONSHORE LP  
**Date Original Permit Issued:** 4/26/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

4/22/2008

Date

Title: SENOIR LAND ADMIN SPECIALIST

Representing: KERR-McGEE OIL & GAS ONSHORE LP

RECEIVED

MAY 02 2008

DIV. OF OIL, GAS & MINING

## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Company: Kerr-McGee Oil & Gas Onshore, LP

Well Name: NBU 921-9C

API No: 43-047-39241 Lease Type: Federal/Indian

Section 09 Township 09S Range 21E County Uintah

Drilling Contractor Pete Martin Rig # Bucket

### SPUDDED:

Date 5-06-08

Time 11:00 AM

How Dry

**Drilling will Commence:** \_\_\_\_\_

Reported by Lou Weldon

Telephone # 435-828-7035

Date 5-07-08 Signed RM

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-7024

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739241	NBU 921-9C		NENW	9	9S,	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	5/6/2008		<u>5/08/08</u>		
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 05/06/2008 AT 1100 HRS.							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

5/7/2008

Date

**RECEIVED**

**MAY 08 2008**

(5/2000)

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/NW SEC. 9, T9S, R21E 896'FNL, 1569'FWL**

5. Lease Serial No.

**UTU-0149767**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-9C**

9. API Well No.

**4304739241**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <b>WELL SPUD</b>
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

**MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.**

**SPUD WELL LOCATION ON 05/06/2008 AT 1100 HRS.**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**May 7, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**

**MAY 14 2008**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE – Other instructions on reverse side***

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/NW SEC. 9, T9S, R21E 896'FNL, 1569'FWL**

5. Lease Serial No.

**UTU-0149767**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-9C**

9. API Well No.

**4304739241**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SET SURFACE</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>CSG</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PROPETRO AIR RIG ON 05/12/2008. DRILLED 12 1/4" SURFACE HOLE TO 2760'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/250 SX HIFILL CLASS G @11.0 PPG 3.81 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH OUT JOB 30 +/- BBL LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/50 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL. WORT.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**May 16, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to an official of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**

**MAY 21 2008**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/NW SEC. 9, T9S, R21E 896'FNL, 1569'FWL**

5. Lease Serial No.

**UTU-0149767**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-9C**

9. API Well No.

**4304739241**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other FINAL DRILLING OPERATIONS
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

FINISHED DRILLING FROM 2760' TO 10,300' ON 06/04/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/570 SX PREM CLASS G @11.3 PPG 2.89 YIELD. TAILED CMT W/1300 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DISPLACEMENT FLOATS HELD PLUG DOWN LOST RETURNS W/290 BBLS GOOD LIFT PRESS DURING JOB NO CMT TO SURFACE. SET MANDREL W/100K & TEST TO 5000 PSI CLEAN BOP CLEAN PITS NIPPLE DOWN.

**RELEASED ENSIGN RIG 12 ON 06/06/2008 AT 1230 HRS,**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**June 6, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**

**JUN 17 2008**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/NW SEC. 9, T9S, R21E 896'FNL, 1569'FWL**

5. Lease Serial No.

**UTU-0149767**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-9C**

9. API Well No.

**4304739241**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>PRODUCTION START-UP</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 08/04/2008 AT 9:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Signature

Title

**REGULATORY ANALYST**

Date

**August 6, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**

**AUG 11 2008**

**DIV. OF OIL, GAS & MINING**



Wins No.: 94941

NBU 921-9C

## Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 05/06/2008	GL 4,716	KB 4730	ROUTE
API 4304739241	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 40.05543 / -109.56059		Q-Q/Sect/Town/Range: NENW / 9 / 9S / 21E		Footages: 896.00' FNL 1,569.00' FWL	

## Wellbore: NBU 921-9C

MTD 10,300	TVD 10,298	PBMD	PBTVD
EVENT INFORMATION:		EVENT ACTIVITY: DRILLING	
		START DATE: 5/5/2008	
		END DATE: 6/6/2008	
		DATE WELL STARTED PROD.:	
		Event End Status: COMPLETE	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
PETE MARTIN DRILLING / UI	05/05/2008	05/05/2008	05/05/2008	05/05/2008	05/05/2008	05/05/2008	05/05/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation
5/5/2008	SUPERVISOR: LEW WELDON						MD: 54
	11:00 - 17:00	6.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 1100 HR 5/6/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 12 BLM AND STATE NOTFIED OF SPUD
5/12/2008	SUPERVISOR: LEW WELDON						MD: 300
	20:00 - 0:00	4.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 2000 HR 5/12/08 DA AT REPORT TIME 300'
5/13/2008	SUPERVISOR: LEW WELDON						MD: 1,530
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1080'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1530'
5/14/2008	SUPERVISOR: LEW WELDON						MD: 2,340
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1950'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2340'
5/15/2008	SUPERVISOR: LEW WELDON						MD: 2,760
	0:00 - 13:00	13.00	DRLSUR	02		P	RIG T/D @ 2760' CONDITION HOLE 1 HR
	13:00 - 16:00	3.00	DRLSUR	05		P	TRIP DP OUT OF HOLE
	16:00 - 20:00	4.00	DRLSUR	11		P	RUN 2714' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	20:00 - 21:00	1.00	DRLSUR	15		P	CEMENT 1ST STAGE WITH 250 SKS LEAD @ 11# 3.81 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB + - 30 BBL LEAD CMT TO PIT

Wins No.: 94941

NBU 921-9C

API No.: 4304739241

	20:00 - 21:00	1.00	DRLSUR	15	P	CEMENT 1ST STAGE WITH 250 SKS LEAD @ 11# 3.81 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB + - 30 BBL LEAD CMT TO PIT
	21:00 - 21:30	0.50	DRLSUR	15	P	1ST TOP JOB 100 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC
	21:30 - 23:00	1.50	DRLSUR	15	P	2ND TOP JOB 50 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	23:00 - 23:00	0.00	DRLSUR			NO VISIBLE LEAKS PIT 1/2 FULL WORT
5/23/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR					MD: 2,760
	0:00 - 7:00	7.00	RDMO	01	E	P RIG DOWN AND PREPARE TO MOVE ENSIGN #12 FROM THE NBU 921-13E.
	7:00 - 20:00	13.00	RDMO	07	A	P WELD AND REPAIR HOPPER. REPAIR RACKING BOARD OF FLOOR. CHANGE OUT 2 COMPOUND CHAINS ON DRAW WORKS. LOWER DERRICK.
	20:00 - 0:00	4.00	RDMO	01	E	P RIG DOWN AND PREPARE TO MOVE.
5/24/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR					MD: 2,760
	0:00 - 7:00	7.00	MIRU	01	E	P PREPARE TO MOVE TO THE NBU 921-9C. WAIT ON DAY LIGHT.
	7:00 - 17:00	10.00	MIRU	01	A	P HELD DRIVERS METING, START MOVING. RELEASED TRUCKS AT 17:00 HRS.
	17:00 - 0:00	7.00	MIRU	01	B	P RIG UP, RAISE DERRICK AT 18:00 HRS. CONTINUE RIGGING UP.
5/25/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR					MD: 2,760
	0:00 - 13:00	13.00	MIRU	01	B	P RURT
	13:00 - 15:00	2.00	MIRU	13	A	P NU BOP'S
	15:00 - 19:00	4.00	MIRU	13	C	P TEST BOP'S, HAD LEAK BETWEEN THE TWO DRILLING SPOOLS.
	19:00 - 21:00	2.00	MIRU	07	A	Z CHANGE CLUTCH OUT ON #1 FLOOR MOTOR.
	21:00 - 0:00	3.00	MIRU	13	D	Z ND BETWEEN SPOOLS, REPLACE RING GASKET AND NU SAME.
5/26/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR					MD: 3,428
	0:00 - 4:30	4.50	MIRU	13	D	Z CHANGE GASKET BETWEEN DRILLING SPOOLS

4:30 - 5:30	1.00	MIRU	13	C	P	FINISH TESTING: TEST BLIND RAMS, PIPE RAMS, FLOOR VALVES, CHOKE AND ALL RELATED VALVES TO 250 AND 5000 PSI, TEST HYDRIL TO 250 AND 2500 PSI, TEST CASING TO 1500 PSI FOR 30 MIN.
5:30 - 12:30	7.00	DRLPRO	05	A	P	HELD SAFETY MEETING WITH FRANKS, RU LD MACHINE. PU BHA AND DP TO 2650'. RD. INSTALL ROTATING HEAD.
12:30 - 14:00	1.50	DRLPRO	02	F	P	DRILL SHOE TRACK
14:00 - 15:00	1.00	DRLPRO	02	B	P	DRILL 2760'-2831' (71') 16K WOB, 110 BIT RPM, 8.4/32
15:00 - 15:30	0.50	DRLPRO	06	A	P	SERVICE RIG.
15:30 - 16:00	0.50	DRLPRO	09	A	P	SURVEY @ 2787' - 1.91 DEG.
16:00 - 0:00	8.00	DRLPRO	02	B	P	DRILL 2831'-3428' (587') 74.6'/HR. 16/18K WOB, 110 BIT RPM, 8.5//34
5/27/2008	SUPERVISOR: BRUCE TAYLOR					MD: 4,965
0:00 - 0:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS.
0:30 - 21:30	21.00	DRLPRO	02	B	P	DRILL 3428'-4872' (1444') 68.7'/HR. 18/20K WOB, 110 BIT RPM, 8.9/38
21:30 - 22:00	0.50	DRLPRO	09	A	P	SURVEY @ 4795' - 3.28 DEG.
22:00 - 0:00	2.00	DRLPRO	02	B	P	DRILL 4872'-4965' (93') 46.5'/HR. 18/20K WOB, 110 BIT RPM, 9.0/40
5/28/2008	SUPERVISOR: BRUCE TAYLOR					MD: 5,944
0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILL 4965'-5595' (630') 43.4'/HR. 18/22K WOB, 110 BIT RPM, 9.1/48
14:30 - 15:00	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION TEST HCR. CHECK COM.
15:00 - 22:00	7.00	DRLPRO	02	B	P	DRILL 5595'-5877' (282') 40.2'/HR. 18/22K WOB, 110 BIT RPM, 9.2/47
22:00 - 22:30	0.50	DRLPRO	09	A	P	SURVEY @ 5800' - 3.0 DEG.
22:30 - 0:00	1.50	DRLPRO	02	B	P	DRILL 5877'-5944' (67') 44.6'/HR. 18/22K WOB, 110 BIT RPM, 9.3/48
5/29/2008	SUPERVISOR: BRUCE TAYLOR					MD: 6,472
0:00 - 8:00	8.00	DRLPRO	02	B	P	DRILL 5944'-6200' (256') 32'/HR. 20/22K WOB, 110 BIT RPM, 9.3/48

Wins No.: 94941		NBU 921-9C					API No.: 4304739241
	0:00 - 8:00	8.00	DRLPRO	02	B	P	DRILL 5944'-6200' (256') 32'/HR. 20/22K WOB, 110 BIT RPM, 9.3/48
	8:00 - 8:30	0.50	DRLPRO	04	C	P	CIRCULATE, MIX AND PUMP SLUG.
	8:30 - 12:00	3.50	DRLPRO	05	A	P	POOH FOR NEW BIT, JAR DOWN OUT OF TIGHT SPOTS AT 5260', 5235' AND 5201', FINISH OUT OF HOLE.
	12:00 - 19:30	7.50	DRLPRO	05	A	P	MAKE UP NEW Q506 PDC, TIH WITH SAME. FILL AND BREAK CIRC. AT SHOE, FIH, POOH AND RETREIVE DP SCREEN, TIH. WASH 31' TO BOTTOM.
	19:30 - 0:00	4.50	DRLPRO	02	B	P	DRILL 6200'-6472' (272') 60.4'/HR. 18/20K WOB, 110 BIT RPM, 9.5/48
5/30/2008	SUPERVISOR: BRUCE TAYLOR						MD: 7,595
	0:00 - 13:30	13.50	DRLPRO	02	B	P	DRILL 6472'-7257' (785') 58.1'/HR. 18/20K WOB, 110 BIT RPM, 10.0/45
	13:30 - 14:00	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTON TEST ANNUALR.
	14:00 - 14:30	0.50	DRLPRO	07	A	P	HELD SAFETY MEETING, HOT WORK PERMIT, BUILD UP DRILL LINE KICKPLATE ON DRAW WORKS WITH A THIRD PARTY WELDER.
	14:30 - 0:00	9.50	DRLPRO	02	B	P	DRILL 7257'-7595' (338') 35.5'/HR. 18/20K WOB, 110 BIT RPM, 10.1/45
5/31/2008	SUPERVISOR: BRUCE TAYLOR						MD: 8,229
	0:00 - 11:00	11.00	DRLPRO	02	B	P	DRILL 7595'-7887' (292') 26.5'/HR. 24/27K WOB, 110 BIT RPM, 10.3/45
	11:00 - 11:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS. CHECK COM
	11:30 - 0:00	12.50	DRLPRO	02	B	P	DRILL 7887'-8229' (342') 27.3'/HR. 26/28K WOB, 110 BIT RPM, 10.5/45
6/1/2008	SUPERVISOR: BRUCE TAYLOR						MD: 8,902
	0:00 - 1:00	1.00	DRLPRO	02	B	P	DRILL 8229'-8245' (16') 16'/HR. 26/28K WOB, 100 BIT RPM, 10.6/45
	1:00 - 5:00	4.00	DRLPRO	05	A	P	PUMP SLUG, DROP TOTCO, POOH FOR BIT DUE TO SLOW P-RATE.
	5:00 - 9:00	4.00	DRLPRO	05	A	P	MAKE UP Q504X PDC AND TIH WITH SAME. WASH 45' TO BOTTOM, 20' FILL.
	9:00 - 12:30	3.50	DRLPRO	02	B	P	DRILL 8245'-8359' (114') 32.5'/HR. 16/18K WOB, 100 BIT RPM, 10.7/45

Wins No.: 94941		NBU 921-9C					API No.: 4304739241
	9:00 - 12:30	3.50	DRLPRO	02	B	P	DRILL 8245'-8359' (114') 32.5'/HR. 16/18K WOB, 100 BIT RPM, 10.7/45
	12:30 - 13:00	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION HCR.
	13:00 - 0:00	11.00	DRLPRO	02	B	P	DRILL 8359'-8902' (543') 49.3'/HR. 18/20K WOB, 100 BIT RPM, 10.9/45
6/2/2008	SUPERVISOR: BRUCE TAYLOR						MD: 9,795
	0:00 - 1:00	1.00	DRLPRO	02	B	P	DRILL 8902'-8957' (55') 55'/HR. 18/20K WOB, 100 BIT RPM, 11.2/45
	1:00 - 1:30	0.50	DRLPRO	06	A	P	SERVICE RIG,
	1:30 - 11:00	9.50	DRLPRO	02	B	P	DRILL 8957'-9369' (412') 43.3'/HR. 18/20K WOB, 100 BIT RPM, 11.2/45
	11:00 - 11:30	0.50	DRLPRO	06	A	P	SERVICE RIG,
	11:30 - 0:00	12.50	DRLPRO	02	B	P	DRILL 9369'-9795' (426') 34'/HR. 18/20K WOB, 100 BIT RPM, 10.4/45
6/3/2008	SUPERVISOR: BRUCE TAYLOR						MD: 10,027
	0:00 - 9:00	9.00	DRLPRO	02	B	P	DRILL 9795'-9980' (185') 20.5'/HR. 20/22K WOB, 100 BIT RPM, 11.5/45
	9:00 - 10:00	1.00	DRLPRO	04	C	P	CIRCULATE BOTTOMS UP, MIX AND PUMP SLUG.
	10:00 - 14:30	4.50	DRLPRO	05	A	P	POOH FOR BIT DUE TO SLOW P-RATE AND TORQUE.
	14:30 - 15:00	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION BLND RAMS
	15:00 - 16:00	1.00	DRLPRO	05	A	P	MAKE UP NEW Q506X PDC AND TIH WITH SAME TO CASING SHOE.
	16:00 - 17:00	1.00	DRLPRO	06	D	P	SLIP AND CUT 130' OF DRILL LINE.
	17:00 - 22:00	5.00	DRLPRO	05	A	P	FINISH IN HOLE. WASH 45' TO BOTTOM. 10' FILL.
	22:00 - 0:00	2.00	DRLPRO	02	B	P	DRILL 9980'-10027' (47') 23.5'/HR. 18/20K WOB, 100 BIT RPM, 10.5/45
6/4/2008	SUPERVISOR: KENNETH GATHINGS						MD: 10,300
	0:00 - 13:00	13.00	DRLPRO	02	B	P	DRILL F/ 10027' - T/ 10276' (249' @ 19.15 fph) 43 vis / 11.5 ppg
	13:00 - 13:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT

Wins No.: 94941		NBU 921-9C					API No.: 4304739241
	13:00 - 13:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
	13:30 - 16:30	3.00	DRLPRO	02	B	P	DRILL F/ 10276' - T/ 10300' (24' @ 8 fph) 46 vis / 11.5 ppg (T.D.)
	16:30 - 17:30	1.00	DRLPRO	04	C	P	CIRCULATE & CONDITION HOLE FOR SHORT TRIP
	17:30 - 19:00	1.50	DRLPRO	05	E	P	PUMP PILL / SHRT TRIP 10- STANDS W/ NO PROBLEMS & NO FILL
	19:00 - 20:30	1.50	DRLPRO	04	C	P	CIRCULATE & CONDITION HOLE FOR LAY DOWN / SAFETY MEETING / M.I.R.U. WEATHERFORD EQUIPMENT
	20:30 - 0:00	3.50	DRLPRO	05	B	P	PUMP PILL / DROP SURVEY / L.D.D.P.
6/5/2008	SUPERVISOR: KENNETH GATHINGS						MD: 10,300
	0:00 - 7:00	7.00	DRLPRO	05	B	P	L.D.D.P. / BREAK KELLY / L.D.B.H.A. / PULL WEAR BUSHING / R.D.M.O. WESTATES EQUIPMENT
	7:00 - 15:30	8.50	DRLPRO	08	A	P	SAFETY MEETING / M.I.R.U. HALLIBURTON EQUIPMENT / RUN QUAD COMBO F/10286' - T/2718' / R.D.M.O. LOGGING EQUIPMENT
	15:30 - 0:00	8.50	DRLPRO	11	B	P	SAFETY MEETING / M.I.R.U. WESTATES EQUIPMENT / RUN 4.5 #11.6 I-80 LT7C CASING + RELATED EQUIPMENT TO 10066' / BREAK CIRCULATION
6/6/2008	SUPERVISOR: KENNETH GATHINGS						MD: 10,300
	0:00 - 0:30	0.50	DRLPRO	11	B	P	RUN 4.50 CASING TO 10066'
	0:30 - 1:00	0.50	DRLPRO	16	E	X	BREAK CIRCULATION / WORK STUCK PIPE FREE @ 10066'
	1:00 - 1:30	0.50	DRLPRO	11	B	P	RUN TOTAL 243 JTS 4.50 #11.6 I-80 LT&C CASING + RELATED TOOLS / SET @ 10295'
	1:30 - 2:30	1.00	DRLPRO	04	E	P	CIRCULATE GAS OUT OF HOLE / 10'-15' FLARE W/ BOTTOMS UP / HOLE STICKY
	2:30 - 3:30	1.00	DRLPRO	11	B	P	INSTALL MANDREL / CLEAN OUT TO 10295'
	3:30 - 4:30	1.00	DRLPRO	04	E	P	CIRCULATE & CONDITION HOLE FOR CEMENT / R.D.M.O. WESTATES EQUIPMENT / SAFETY MEETING W/ HALLIBURTON / M.I.R.U. CEMENT EQUIPMENT

<b>Wins No.:</b> 94941		<b>NBU 921-9C</b>		<b>API No.:</b> 4304739241		
4:30	- 8:00	3.50	DRLPRO	15	A P	TEST PUMPS & LINES TO 5000 PSI / CEMENT WELL W/ 10 BBLS H2O + 20 BBLS MUD FLUSH + 10 BBLS H2O + 20 SX SCAVENGER @ 9.5 ppg + 10 BBLS H2O + 570 SX LEAD @ 11.3 ppg + 1300 SX TAIL @ 14.3 ppg + 160 BBLS H2O DISPLACEMENT / FLOATS HELD / PLUG DOWN @ 0742 HOURS / LOST RETURN W/ 290 BBLS TAIL PUMPED / NO RETURNS DURING DISPLACEMENT / FLOATS HELD W/ 2.0 BBLS RETURNED TO INVENTORY / GOOD LIFT PRESSURE DURING JOB / NO CEMENT TO SURFACE
8:00	- 8:30	0.50	DRLPRO	11	B P	SET MANDREL W/ 100K & TEST TO 5000 PSI / R.D.M.O. HALLIBURTON EQUIPMENT
8:30	- 12:30	4.00	DRLPRO	13	A P	CLEAN BOP EQUIPMENT / NIPPLE DOWN / CLEAN PITS / RIG RELEASED @ 1230 HOURS ON 06/06/2008
<b>EVENT INFORMATION:</b>		EVENT ACTIVITY: COMPLETION OBJECTIVE: CONSTRUCTION OBJECTIVE 2: ORIGINAL REASON: SURF FACILITIES			START DATE: 7/5/2008 END DATE: 7/7/2008 DATE WELL STARTED PROD.: Event End Status: COMPLETE	
<b>RIG OPERATIONS:</b>		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling   Rig Release   Rig Off Location
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U      Operation
7/5/2008	SUPERVISOR: HAL BLANCHARD					MD:

<b>Wins No.: 94941</b>		<b>NBU 921-9C</b>		<b>API No.: 4304739241</b>			
<b>EVENT INFORMATION:</b>		EVENT ACTIVITY: COMPLETION		START DATE: 7/21/2008			
		OBJECTIVE: DEVELOPMENT		END DATE:			
		OBJECTIVE 2: ORIGINAL		DATE WELL STARTED PROD.: :			
		REASON: MV		Event End Status:			
<b>RIG OPERATIONS:</b>		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start		
		Finish Drilling	Rig Release	Rig Off Location			
GWS 1 / 1							
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
7/28/2008	<u>SUPERVISOR:</u> JEFF SAMUELS						<u>MD:</u>
	7:00 - 17:00	10.00	COMP	31	I	P	7:00 A.M. HSM MIRU SERVICE RIG. NDWH, NUBOPE. PREP & TALLY 329 JTS 2 3/8" L-80 8RD 4.7# TBG. P/U 3 7/8" MILL, BIT SUB & RIH P/U TBG OFF TRAILER. EOT @ 9200'. X-O POOH STD BK TBG. SWI. SDFN
7/29/2008	<u>SUPERVISOR:</u> JEFF SAMUELS						<u>MD:</u>
	7:00 - 16:00	9.00	COMP	36	B	P	7:00 A.M. HSM NDBOPE. NU FRAC VLV'S. MIRU B&C QUICK TST. FILL CSG & ATTEMPT TO PSI TST CSG. TST TRUCK BROKE DWN. CALL FOR NEW TRUCK (NONE AVAILABLE.) RDMO B&C. MIRU CUTTERS. P/U 3 1/8" EXP PERF GUNS LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING & RIH. SHOOT STG 1 PERF'S W/ 4 HOLES F/ 10090' - 91', P/U SHOOT 8 HOLES F/ 9992' - 94', P/U SHOOT 8 HOLES F/ 9898' - 9900', P/U SHOOT 8 HOLES F/ 9864' - 66', P/U SHOOT 8 HOLES F/ 9844' - 46', P/U SHOOT 8 HOLES F/ 9818' - 20'. POOH. MIRU WEATHERFORD. PRIME PMP'S, PSI TST LINES TO 8500# (HELD). OPEN WELL 0#  STG 1: BRK DWN PERF'S @ 4787#, EST INJ RT @ 52.3 BPM @ 6100#, ISIP 3380#, FG .78, TREAT STG 1 W/ 135,157# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. SCREENED OUT W/ 7BBLs LEFT IN FLUSH. FLOW WELL BACK TILL BOTTOMS UP. SWI. REFLUSH W/ 152.3 BBLs. TOT CL FL 3928 BBLs. ISIP 3527#, NPI 147#, FG .80  SWI. SDFN
7/30/2008	<u>SUPERVISOR:</u> JEFF SAMUELS						<u>MD:</u>



Wins No.: 94941		NBU 921-9C						API No.: 4304739241		
7:00 - 17:00		10.00	COMP	36	B	P	7:00 A.M. HSM			
ALL PERFS SHOT W/ 3 1/8" EXP PERF GUNS LOADED W/ 23 GM CHARGES. 4 SPF, 90 DEG PHASING. ALL STAGES TREATED W/ NALCO DVE-005 SCALE INHIB. 3 GPT IN PAD & 1/2 RAMP. 10 GPT IN FLUSH & PRE PAD. ALL STAGES TREATED W/ NALCO BIOCID. .25 GPT IN ALL CLEAN FLUID. ALL STAGES TREATED W/ 30/50 SAND TAILED IN W/ 5000# TLC SAND FOR SAND CONTROLL. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S										
STG 2: P/U 3 1/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9784'. P/U SHOOT 8 HOLES F/ 9748' - 50'. P/U SHOOT 16 HOLES F/ 9642' - 46', P/U SHOOT 16 HOLES F/ 9600' - 04'. POOH. BRK DWN PERF'S @ 4674#, EST INJ RT @ 41.7 BPM. @ 4400#, ISIP 3231#, FG .78.										
TREAT STG 2 W/ 122,909# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. ISIP 3086#, NPI -145#, FG .76										
STG 3: P/U 3 1/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9490', P/U SHOOT 16 HOLES F/ 9456' - 60', P/U SHOOT 8 HOLES F/ 9420' - 22', P/U SHOOT 8 HOLES F/ 9300' - 02'. P/U SHOOT 8 HOLES F/ 9270' - 72'. POOH. BRK DWN PERFS @ 3684#, EST INJ RT @ 41 BPM @ 5400#, ISIP 2638#, FG .72. TREAT STG 3 W/ 56,500# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1534 BBLs. ISIP 3052#, NPI 414#, FG .77										
STG 4: P/U 3 1/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9178'. P/U SHOOT 8 HOLES F/ 9146' - 48', P/U SHOOT 8 HOLES F/ 9060' - 62'. P/U SHOOT 8 HOLES F/ 9048' - 50', P/U SHOOT 8966' - 68'. P/U SHOOT 8 HOLES F/ 8922' - 24'. POOH. BRK DWN PERF'S @ 2951#, EST INJ RT 50.2 BPM @ 5700#, ISIP 2951#, FG .77.										
TREAT STG 4 W/ 173,155# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 4798 BBLs. ISIP 3054#, NPI 103#, FG .78										
P/U 4 1/2" CBP & RIH. SET KILL PLUG @ 8872'. POOH. RDMO CUTTERS. RDMO WEATHERFORD FRAC SVC. ND FRAC VLV'S, NUBOPE. PREP TO RIH IN A.M. SWI. SDFN										
7/31/2008	SUPERVISOR: JEFF SAMUELS						MD:			
7:00 - 17:00		10.00	COMP	44	C	P	7:00 A.M. HSM			
P/U 3 7/8" SMITH BIT, POBS & RIH W/ TBG. TAG FILL @ 8857'. (15' FILL). R/U DRL EQUIP. R/U PMP & LINES. BRK CONV CIRC W/ 2% KCL & C/O TO 1ST CBP @ 8772'.										
DRL UP 1ST CBP (250# PSI INC). CONT TO RIH. TAG FILL @ 9083'. (95' FILL). C/O TO 2ND CBP @ 9178'.										
DRL UP 2ND CBP (800# PSI INC). CONT TO RIH. TAG FILL @ 9350'. (140' FILL). C/O TO 3RD CBP @ 9490'.										
DRL UP 3RD CBP (1300# PSI INC). CONT TO RIH. TAG FILL @ 9754'. (30' FILL). C/O 4TH CBP @ 9784'										
DRL UP 4TH CBP (300# PSI INC). CONT TO RIH. TAG FILL @ 10100' (100' FILL). C/O TO 10201'. CIRC WELL CLEAN. RD DRL EQUIP. POOH L/D 27 JTS ON TRAILER. LAND TBG W/ EOT 9569'. LUBRICATE TBG HANGER INTO WELL. ND BOPE. NU WH. DROP BALL. PMP OFF THE BIT SUB @ 2500#. R/U FLOW BACK EQUIP. RIG DWN RACK OUT. MOVE OFF.										
SICP 2250# FTP 1650# 20/64 CHOKE										
TBG ON LOC 329 JTS TBG IN WELL 302 JTS TBG ON TRAILER 27 JTS										
8/1/2008	SUPERVISOR: JEFF SAMUELS						MD:			
RIG ON STAND BY										
8/2/2008	SUPERVISOR: JEFF SAMUELS						MD:			

Wins No.: 94941		NBU 921-9C		API No.: 4304739241
7:00	-	33	A	7 AM FLBK REPORT: CP 2100#, TP 1850#, 20/64" CK, 35 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4011 BBLS LEFT TO RECOVER: 9367
8/3/2008	<u>SUPERVISOR:</u> JEFF SAMUELS			<u>MD:</u>
7:00	-	33	A	7 AM FLBK REPORT: CP 3050#, TP 1825#, 20/64" CK, 30 BWPH, TRACE SAND, MEDIUM GAS TTL BBLS RECOVERED: 4781 BBLS LEFT TO RECOVER: 8597

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 20005. Lease Serial No.  
UTU-01497671a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

2. Name of Operator

KERR-MCGEE OIL &amp; GAS ONSHORE LP

3. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements) \*

At surface

NE/NW 896'FNL, 1569'FWL

At top prod. interval reported below

At total depth

14. Date Spudded

05/06/08

15. Date T.D. Reached

06/04/08

16. Date Completed

☐ D & A ☒ Ready to Prod.  
08/04/086. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

7. Unit or CA Agreement Name and No.

UNIT #891008900A

8. Lease Name and Well No.

NBU 921-9C

9. API Well No.

4304739241

10. Field and Pool, or Exploratory  
NATURAL BUTTES11. Sec., T., R., M., or Block and  
Survey or Area SEC. 9, T9S, R21E

12. County or Parish

UINTAH

13. State

UTAH

17. Elevations (DF, RKB, RT, GL)\*

4717'GL

18. Total Depth: MD 10.300'  
TVD19. Plug Back T.D.: MD 10.201'  
TVD20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

CBL-CCL-GR, BCS, BD, DSN, HRI

22. Was well cored? ☒ No ☐ Yes (Submit copy)  
Was DST run? ☒ No ☐ Yes (Submit copy)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2760'		600 SX			
7 7/8"	4 1/2"	11.6#		10,300'		1870 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	9569'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8922'	10,091'	8922'-10,091'	0.36	156	OPEN
B) WSMVD						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
8922'-10,091'	PMP 13,460 BBLS SLICK H2O & 487,721# 30/50 SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production BBL	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/04/08	08/06/08	12	→	0	1,293	600			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 1517# SI	Csg. Press. 2534#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64			→	0	1293	600			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production BBL	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

DIV. OF OIL, GAS &amp; MINING

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

**SOLD**

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER MAHOGANY WASATCH MESAVERDE	1872' 2677' 5320' 8364'	8330' 10,200'			

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)      2. Geologic Report      3. DST Report      4. Directional Survey  
5. Sundry Notice for plugging and cement verification      5. Core Analysis      7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SKEILA UPCHEGOTitle REGULATORY ANALYSTSignature Date 08/26/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-0149767

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE LP

3a. Address  
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)  
435.781.7024

7. If Unit of CA/Agreement, Name and/or No.  
UNIT #891008900A

8. Well Name and No.  
NBU 921-9C

9. API Well No.  
4304739241

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE/NW SEC. 9, T9S, R21E 896FNL, 1569FWL

10. Field and Pool or Exploratory Area  
NATURAL BUTTES

11. Country or Parish, State  
UINTAH COUNTY, UTAH

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH AND MESAVERDE FORMATION. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 12/30/2008  
Initials: KS

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed)  
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 12/04/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Pet. Eng.

Date

12/22/08

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

DOGAR

Federal Approval Of This  
Action Is Necessary

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

\* Cause 173-14

**RECEIVED**  
**DEC 08 2008**

**DIV. OF OIL, GAS & MINING**

**Name:** NBU 921-9C  
**Location:** NE NW Sec. 9 9S 21E  
**Uintah County, UT**  
**Date:** 11/17/08

**ELEVATIONS:** 4715 GL 4729 KB

**TOTAL DEPTH:** 10300 **PBTD:** 10252  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2730'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 10296'  
Marker Joint **5336-5356'**

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**TOPS:**

1872' Green River  
2677' Mahogany  
5320' Wasatch  
8364' Mesaverde  
Estimated T.O.C. from CBL @4300

**GENERAL:**

- A minimum of **31** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 06/05/08
- **8** fracturing stages required for coverage.
- Procedure calls for 8 CBP's and 1 flow through plug (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump **resin coated sand** last 5,000# of all frac stages

- Tubing Currently Landed @~9569
- Originally completed on 07/29/2008

**Existing Perforations:**

Zone	From	To	SPF	# of Shots
Mesaverde	8922	8924	4	8
Mesaverde	8966	8968	4	8
Mesaverde	9048	9050	4	8
Mesaverde	9060	9062	4	8
Mesaverde	9146	9148	4	8
Mesaverde	9270	9272	4	8
Mesaverde	9300	9302	4	8
Mesaverde	9420	9422	4	8
Mesaverde	9456	9460	4	16
Mesaverde	9600	9604	4	16
Mesaverde	9642	9646	4	16
Mesaverde	9748	9750	4	8
Mesaverde	9818	9820	4	8
Mesaverde	9844	9846	4	8
Mesaverde	9864	9866	4	8
Mesaverde	9898	9900	4	8
Mesaverde	9992	9994	4	8
Mesaverde	10090	10091	4	4

**PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, N-80 tubing (currently landed at ~9569'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 8896 (50' below proposed CBP). Otherwise P/U a mill and C/O to 8896 (50' below proposed CBP).
4. Set 8000 psi flow through plug at ~ 8846'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
MESAVERDE	8712	8714	4	8
MESAVERDE	8752	8754	4	8
MESAVERDE	8830	8836	4	24

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8662' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~8602'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	8388	8392	4	16
MESAVERDE	8530	8532	4	8
MESAVERDE	8568	8572	4	16

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8338' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~7974'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7920	7926	4	24
WASATCH	7940	7944	4	16

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7870' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~7604'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7564	7574	4	40

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7514' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~7328'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7288	7298	4	40

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~7238' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~7072'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6956	6960	4	16
WASATCH	7012	7016	4	16
WASATCH	7040	7042	4	8

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6906' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~6860'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6694	6698	4	16



WASATCH 6824 6830 4 24

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~6644' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

19. Set 8000 psi CBP at ~5444'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5344	5350	4	24
WASATCH	5390	5394	4	16

20. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 8 on attached listing. Under-displace to ~5294' and flush only with recycled water.

21. Set 8000 psi CBP at~5294'.

22. TIH with 3 7/8" mill, sliding sleeve, SN and tubing.

23. Mill plugs (DO NOT DRILL FLOW THROUGH PLUG @ 8846') and clean out to top of flow through plug. Land tubing at ±7890' and open sleeve unless indicated otherwise by the well's behavior.

24. RDMO

25. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

26. MIRU

27. Mill flow through plug and commingle well. Land tubing at ~9570'

28. RDMO

**For design questions, please call**  
**Sarah Schaftenaar, Denver, CO**  
**(303)-895-5883 (Cell)**  
**(720)-929-6605 (Office)**

**For field implementation questions, please call**  
**Robert Miller, Vernal, UT**  
**4350781 7041 (Office)**

NOTES:

Fracturing Schedules  
NBU 921-9C  
Slickwater Frac

Stage	Zone	Feet of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial PPG	Final PPG	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Field % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib. gal.
			Top, ft.	Bot, ft.																	
1	MESAVERDE	7	8712	8714	4	8	Varied	Pump-in test			Slickwater	0	0	0	0			0	0		56
	MESAVERDE	8	8752	8754	4	8	0	ISIP and 5 min ISIP			Slickwater	16,050	16,050	382	382	15.0%	0.0%	0	0		48
	MESAVERDE	7	8830	8836	4	24	50	Slickwater Pad	0.25	1	Slickwater	30,317	46,367	722	1,104	28.3%	16.6%	18,948	18,948		45
	MESAVERDE	4	No perfs			50	SW Swells	0	0	Slickwater	0	46,367	0	1,104	0.0%	0.0%	0	18,948		0	
	MESAVERDE	1	No perfs			50	Slickwater Ramp	1	1.5	Slickwater	30,317	76,683	722	1,826	28.3%	33.9%	37,896	56,844		45	
	MESAVERDE	1	No perfs			50	SW Swells	0	0	Slickwater	5,250	81,933	125	1,951	0.0%	0.0%	0	56,844		0	
	MESAVERDE	2	No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	3,000	84,933	71	2,022	2.7%	2.7%	3,000	59,844		0	
	MESAVERDE	1	No perfs			50	Slickwater Ramp	1.5	2	Slickwater	30,317	112,250	722	2,673	28.3%	47.0%	53,054	112,898		0	
	MESAVERDE	2	No perfs			50	Flush (4-1/2")				5,655	117,905	135	2,807				112,898		56	
	MESAVERDE	9	No perfs				ISDP and 5 min ISDP				117,905									251	
	MESAVERDE	1	No perfs																		
	MESAVERDE	8	No perfs																		
	MESAVERDE	4	No perfs																		
		54	# of Perforations			40	56.1	<= Above pump time (min)								Flush depth	8662	gal/hr	2,000	2,110	lbs sand/hr
																		CBP depth	8,602		60
2	MESAVERDE	3	8388	8392	4	16	Varied	Pump-in test			Slickwater	0	0	0	0			0	0		108
	MESAVERDE	4	8530	8532	4	8	0	ISIP and 5 min ISIP			Slickwater	35,944	35,944	856	856	15.0%	0.0%	0	0		102
	MESAVERDE	12	8568	8572	4	16	50	Slickwater Pad	0.25	1	Slickwater	67,894	103,838	1,817	2,472	28.3%	17.0%	42,434	42,434		8
	MESAVERDE	1	No perfs			50	SW Swells	0	0	Slickwater	5,250	109,088	125	2,597	0.0%	0.0%	0	42,434		0	
	MESAVERDE	1	No perfs			50	Slickwater Ramp	1	1.5	Slickwater	67,894	176,981	1,817	4,214	28.3%	34.1%	84,867	127,301		102	
	MESAVERDE	10	No perfs			50	SW Swells	0	0	Slickwater	10,600	187,481	250	4,464	0.0%	0.0%	0	127,301		0	
	MESAVERDE	6	No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	3,000	190,481	71	4,535	1.2%	1.2%	3,000	130,301		0	
	MESAVERDE	1	No perfs			50	Slickwater Ramp	1.5	2	Slickwater	67,894	255,375	1,617	6,080	28.3%	47.7%	118,814	249,115		0	
	MESAVERDE	4	No perfs			50	Flush (4-1/2")				5,443	260,818	130	6,210				249,115		52	
	MESAVERDE	1	No perfs				ISDP and 5 min ISDP				260,818									371	
	MESAVERDE	10	No perfs																		
	MESAVERDE	2	No perfs																		
	MESAVERDE	26	No perfs																		
	MESAVERDE	12	No perfs																		
	MESAVERDE	7	No perfs																		
	MESAVERDE	1	No perfs																		
	MESAVERDE	3	No perfs																		
		107	# of Perforations			40	121.8	<= Above pump time (min)								Flush depth	8338	gal/hr	2,250	2,339	lbs sand/hr
																		CBP depth	7,974		364
3	WASATCH	3	7920	7926	4	24	Varied	Pump-in test			Slickwater	0	0	0	0			0	0		9
	WASATCH	1	7940	7944	4	16	0	ISIP and 5 min ISIP			Slickwater	3,150	3,150	75	75	15.0%	0.0%	0	0		9
	WASATCH	2	No perfs			50	Slickwater Pad	0.25	1	Slickwater	5,950	9,100	142	217	28.3%	17.2%	3,719	3,719		0	
	WASATCH	1	No perfs			50	SW Swells	0	0	Slickwater	0	9,100	0	217	0.0%	0.0%	0	3,719		0	
	WASATCH	1	No perfs			50	Slickwater Ramp	1	1.5	Slickwater	5,950	15,050	142	358	28.3%	34.5%	7,438	11,156		9	
	WASATCH	1	No perfs			50	SW Swells	0	0	Slickwater	0	15,050	0	358	0.0%	0.0%	0	11,156		0	
	WASATCH	1	No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	15,050	0	358	0.0%	0.0%	0	11,156		0	
	WASATCH	5	No perfs			50	Slickwater Ramp	1.5	2	Slickwater	5,950	21,000	142	500	28.3%	48.3%	10,413	21,569		0	
	WASATCH	1	No perfs			50	Flush (4-1/2")				5,138	26,138	122	622				21,569		49	
								ISDP and 5 min ISDP													77
		11	# of Perforations			40	16.0	<= Above pump time (min)								Flush depth	7870	gal/hr	2,000	2,054	lbs sand/hr
																		CBP depth	7,604		266
4	WASATCH	1	7564	7574	4	40	Varied	Pump-in test			Slickwater	0	0	0	0			0	0		11
	WASATCH	11	No perfs			50	ISIP and 5 min ISIP				3,750	3,750	89	89	15.0%	0.0%	0	0		11	
	WASATCH	1	No perfs			50	Slickwater Pad	0.25	1	Slickwater	7,083	10,833	169	258	28.3%	17.2%	4,427	4,427		0	
	WASATCH	0	No perfs			50	SW Swells	0	0	Slickwater	0	10,833	0	258	0.0%	0.0%	0	4,427		0	
	WASATCH	0	No perfs			50	Slickwater Ramp	1	1.5	Slickwater	7,083	17,917	169	427	28.3%	34.5%	8,854	13,281		11	
	WASATCH	0	No perfs			50	SW Swells	0	0	Slickwater	0	17,917	0	427	0.0%	0.0%	0	13,281		0	
	WASATCH	0	No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	17,917	0	427	0.0%	0.0%	0	13,281		0	
	WASATCH	0	No perfs			50	Slickwater Ramp	1.5	2	Slickwater	7,083	25,000	169	595	28.3%	48.3%	12,396	25,677		0	
	WASATCH	0	No perfs			50	Flush (4-1/2")				4,905	29,905	117	712				25,677		48	
								ISDP and 5 min ISDP													80
		13	# of Perforations			40	11.9	<= Above pump time (min)								Flush depth	7514	gal/hr	2,000	2,054	lbs sand/hr
																		CBP depth	7,328		186
5	WASATCH	1	7298	7298	4	40	Varied	Pump-in test			Slickwater	0	0	0	0			0	0		8
	WASATCH	1	No perfs			50	ISIP and 5 min ISIP				2,531	2,531	60	60	15.0%	0.0%	0	0		7	
	WASATCH	1	No perfs			50	Slickwater Pad	0.25	1	Slickwater	4,781	7,313	114	174	28.3%	17.2%	2,988	2,988		0	
	WASATCH	5	No perfs			50	SW Swells	0	0	Slickwater	0	7,313	0	174	0.0%	0.0%	0	2,988		0	
	WASATCH	0	No perfs			50	Slickwater Ramp	1	1.5	Slickwater	4,781	12,094	114	288	28.3%	34.5%	5,977	8,965		7	
	WASATCH	0	No perfs			50	SW Swells	0	0	Slickwater	0	12,094	0	288	0.0%	0.0%	0	8,965		0	
	WASATCH	0	No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	12,094	0	288	0.0%	0.0%	0	8,965		0	
	WASATCH	0	No perfs			50	Slickwater Ramp	1.5	2	Slickwater	4,781	16,875	114	402	28.3%	48.3%	8,367	17,332		46	
								ISDP and 5 min ISDP													68
		8	# of Perforations			40	8.0	<= Above pump time (min)								Flush depth	7239	gal/hr	2,250	2,311	lbs sand/hr
																		CBP depth	7,072		166
6	WASATCH	8	6956	6960	4	16	Varied	Pump-in test			Slickwater	0	0	0	0			0	0		18
	WASATCH	6	7012	7016	4	16	0	ISIP and 5 min ISIP			Slickwater	5,850	5,850	139	139	15.0%	0.0%	0	0		17
	WASATCH	1	7040	7042	4	8	50	Slickwater Pad	0.25	1	Slickwater	11,050	16,900	263	402	28.3%	17.2%	6,906	6,906		0
	WASATCH	2	No perfs			50	SW Swells	0	0	Slickwater	0	16,900	0	402	0.0%	0.0%	0	6,906		17	
	WASATCH	1	No perfs			50	Slickwater Ramp	1	1.5	Slickwater	11,050	27,950	263	665	28.3%	34.5%	13,813	20,719		0	
	WASATCH	1	No perfs			50	SW Swells	0	0	Slickwater	0	27,950	0	665	0.0%	0.0%	0	20,719		0	
	WASATCH	0	No perfs			50	Slickwater Ramp	0.5													

NBU 921-9C  
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8712	8714	4	8	8712.5	to	8719
	MESAVERDE	8752	8754	4	8	8720	to	8727.5
	MESAVERDE	8830	8836	4	24	8749.5	to	8758
	MESAVERDE		No perms			8757	to	8757
	MESAVERDE		No perms			8789	to	8773
	MESAVERDE		No perms			8801	to	8802
	MESAVERDE		No perms			8803	to	8803.5
	MESAVERDE		No perms			8805	to	8807
	MESAVERDE		No perms			8815	to	8815
	MESAVERDE		No perms			8820	to	8822
	MESAVERDE		No perms			8828.5	to	8837.5
	MESAVERDE		No perms			8847	to	8847
	MESAVERDE		No perms			8849.5	to	8856
	MESAVERDE		No perms			8868	to	8870
	# of Perfs/stage				40	CBP DEPTH	8,602	
2	MESAVERDE	8388	8392	4	16	8384	to	8386.5
	MESAVERDE	8530	8532	4	8	8388	to	8392
	MESAVERDE	8568	8572	4	16	8399	to	8411
	MESAVERDE		No perms			8412.5	to	8418
	MESAVERDE		No perms			8428	to	8428
	MESAVERDE		No perms			8430	to	8431
	MESAVERDE		No perms			8445	to	8454.5
	MESAVERDE		No perms			8456.5	to	8462.5
	MESAVERDE		No perms			8468.5	to	8468.5
	MESAVERDE		No perms			8499.5	to	8503
	MESAVERDE		No perms			8505	to	8505.5
	MESAVERDE		No perms			8524	to	8534
	MESAVERDE		No perms			8549.5	to	8551.5
	MESAVERDE		No perms			8554.5	to	8582
	MESAVERDE		No perms			8585	to	8596.5
	MESAVERDE		No perms			8611	to	8618
	MESAVERDE		No perms			8650.5	to	8650.5
	MESAVERDE		No perms			8652	to	8655
	# of Perfs/stage				40	CBP DEPTH	7,974	
3	WASATCH	7920	7926	4	24	7922	to	7924.5
	WASATCH	7940	7944	4	16	7925.5	to	7926.5
	WASATCH		No perms			7935	to	7937
	WASATCH		No perms			7939.5	to	7940.5
	WASATCH		No perms			7943.5	to	7943.5
	WASATCH		No perms			7968.5	to	7968.5
	WASATCH		No perms			8021.5	to	8022
	WASATCH		No perms			8023	to	8023.5
	WASATCH		No perms			8037.5	to	8038
	WASATCH		No perms			8048	to	8048.5
	# of Perfs/stage				40	CBP DEPTH	7,604	
4	WASATCH	7564	7574	4	40	7450.5	to	7450.5
	WASATCH		No perms			7563.5	to	7574
	WASATCH		No perms			7733.5	to	7733.5
	# of Perfs/stage				40	CBP DEPTH	7,328	
5	WASATCH	7288	7298	4	40	7119.5	to	7119
	WASATCH		No perms			7170.5	to	7171.5
	WASATCH		No perms			7220	to	7220.5
	WASATCH		No perms			7271.5	to	7271.5
	WASATCH		No perms			7289	to	7293.5
	# of Perfs/stage				40	CBP DEPTH	7,072	
6	WASATCH	6956	6960	4	16	6954	to	6962
	WASATCH	7012	7018	4	16	7011.5	to	7017.5
	WASATCH	7040	7042	4	8	7038	to	7038
	WASATCH		No perms			7040.5	to	7042.5
	WASATCH		No perms			7072.5	to	7072.5
	WASATCH		No perms			7074	to	7074.5
	WASATCH		No perms			7108.5	to	7108.5
	# of Perfs/stage				40	CBP DEPTH	6,860	
7	WASATCH	6694	6698	4	16	6694.5	to	6697
	WASATCH	6824	6830	4	24	6698.5	to	6699
	WASATCH		No perms			6703	to	6703.5
	WASATCH		No perms			6705.5	to	6705.5
	WASATCH		No perms			6808	to	6808
	WASATCH		No perms			6823	to	6831.5
	WASATCH		No perms			6850	to	6851.5
	WASATCH		No perms			6853	to	6853.5
	# of Perfs/stage				40	CBP DEPTH	5,424	
8	WASATCH	5344	5350	4	24	5320	to	5321
	WASATCH	5390	5394	4	16	5322	to	5323.5
	WASATCH		No perms			5345.5	to	5350.5
	WASATCH		No perms			5390.5	to	5390.5
	WASATCH		No perms			5392.5	to	5394.5
	WASATCH		No perms			5406.5	to	5407
	WASATCH		No perms			5412.5	to	5412.5
	# of Perfs/stage				40	CBP DEPTH	5,294	
Totals					320			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.  
UTU-0149767

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE LP

3a. Address  
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)  
435.781.7024

7. If Unit of CA/Agreement, Name and/or No.  
UNIT #891008900A

8. Well Name and No.  
NBU 921-9C

9. API Well No.  
4304739241

10. Field and Pool or Exploratory Area  
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE/NW SEC. 9, T9S, R21E 896'FNL, 1569'FWL

11. Country or Parish, State  
UINTAH COUNTY, UTAH

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL LOCATION THE OPERATOR HAS RECOMPLETE THE WASATCH AND MESAVERDE FORMATION, AND COMMINGLED THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 01/14/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**JAN 20 2009**

**DIV. OF OIL, GAS & MINING**

<b>Wins No.:</b> 94941		<b>NBU 921-9C</b>		<b>API No.:</b> 4304739241	
<b>EVENT INFORMATION:</b>		EVENT ACTIVITY: RECOMPLETION		START DATE: 12/27/2008	
		OBJECTIVE: DEVELOPMENT		END DATE: 1/7/2009	
		OBJECTIVE 2: RECOMPLETE		DATE WELL STARTED PROD.:	
		REASON: MV/WAS		Event End Status: COMPLETE	
<b>RIG OPERATIONS:</b>		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start
KEY 243 / 243		12/27/2009			01/07/2009
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode
12/27/2008	<u>SUPERVISOR:</u> KEN WARREN				
	7:00 - 7:15	0.25	COMP	48	P
	7:15 - 17:00	9.75	COMP	30	A
HSM, ROADING RIG					
R/D MOVE FROM SANTIO 4-191X TO NBU 921-9C, MIRU, SPOT EQUIP, 560# SICP, 150# FTP, BLOW WELL DN, PUMP 40 BBLS DN CSG, N/D WELL HEAD, N/U BOPS, R/U TBG EQUIP, PULL HANGER, POOH W/ 48 JNTS 2-3/8 L-80 TBG. SWIFN.					
12/29/2008	<u>SUPERVISOR:</u> KEN WARREN				
	7:00 - 7:15	0.25	COMP	48	P
	7:15 - 17:00	9.75	COMP	31	I
HSM, ON COLD WEATHER CONDITIONS					
1300# SICP, 200# SITP, BLOW WELL DN, PUMP'D 30 BBLS DN CSG, 10 BBLS DN TBG, WELL KEPT COMMING AROUND WAS UNABLE TO PUMP DN TBG KEPT PRESSUREING UP, POOH W/ WET STRING, ENDED UP BLOWING BUMPER SPRING OUT OF TBG, STILL COULD NOT PUMP DN TBG, KEPT CSG DEAD WHILE PULLING, POOH W/ 302 JNTS 2-3/8 L-80 TBG FOUND ANOTHER BUMPER SPRING IN X-NIPPLE W/ PLUNGER & BALL ON TOP OF SPRING. R/D TBG EQUIP, N/D BOPS, N/U FRAC VALVES, DRAINED UP SWIFN.					
12/30/2008	<u>SUPERVISOR:</u> KEN WARREN				
	7:00 - 7:15	0.25	COMP	48	P
	7:15 - 15:00	7.75	COMP	47	B
HSM, COLD WEATHER / P/T					
1300# SICP, BLOW WELL DN, PUMP 30 BBLS DN CSG, MIRU CUTTERS WIRE LINE, P/U RIH W/ BKR 8K FLOW THROUGH CBP, SET @ 8854', FILL HOLE, MIRU B&C QUICK TEST, P/T CSG & FRAC VALVES TO 6200# [NO PROBLEMS] P/U RIH & PERFORATE MESA VERDE USING 3-3/8 EXPEND, 23 GRM, 0.36", 4 SPF, 90° PH, 8830'-8836' 24 HOLES, 8752'-8754' 8 HOLES, 8712'-8714' 8 HOLES, [40 HOLES] SWIFN, DRAIN EQUIP, READY TO FRAC IN A.M					
12/31/2008	<u>SUPERVISOR:</u> KEN WARREN				
	7:00 - 7:15	0.25	COMP	48	P
	7:15 - 13:30	6.25	COMP	46	E
	13:30 - 18:00	4.50	COMP	36	E
HSM, WORKING W/ WIRE LINE					
7:00 TO 13:30 WAIT ON WEATHERFORD TO MIRU.					
OPEN WELL FRAC MESAVERDE 8712'-8836'					
STG #1] WHP=1400#, BRK DN PERFS @ 5413#, INJT PSI=4600#, INJT RT=52, ISIP=3270#, FG=.81, PUMP'D 3063.4 BBLS SLK WTR W/ 113121# 30/50 MESH W/ 4515# RESIN COAT IN TAIL, ISIP=2950#, FG=.77, AR=50.2, AP=4315#, MR=52.4, MP=4882#, NPI=-220, 40/40 CALC PERFS OPEN.					
STG #2] P/U RIH W/ BKR 8K CBP & PERF GUN, SET CBP @ 8602', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90° PH, 40 HOLES, 8568'-8572' 16 HOLES, 8530'-8532' 8 HOLES, 8388'-8392' 16 HOLES.					
WHP=0#, DRK DN PERFS @ 5154#, INJT PSI=5200#, INJT RT=49.3, ISIP=2468#, FG=.73, PUMP'D 6443.4 BBLS SLK WTR W/ 249292# 30/50 MESH W/ 5100# RESIN COAT IN TAIL, ISIP=2822#, FG=.77, AR=52.6, AP=4429#, MR=56.8, MP=6475#, NPI=354, 23/40 CALC PERFS OPEN 63%. DRAINED EQUIP. SWIFN.					
1/1/2009	<u>SUPERVISOR:</u> KEN WARREN				
	7:00 - 7:15	0.25	COMP	48	P
	7:15 - 8:00	0.75	COMP	37	B
	8:00 - 10:15	2.25	COMP	46	E
HSM					
STG #3] P/U RIH W/ BKR 8K CBP & PERF GUN, SET CBP @ 7974' PERF WASATCH USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90° PH, 7940'-7944' 16 HOLES, 7920'-7926' 24 HOLES, [40 HOLES]					
WAITING ON WEATHERFORD FRAC TO SHOW UP & GET STARTED					

Wins No.: 94941		NBU 921-9C				API No.: 4304739241	
10:15	- 22:30	12.25	COMP	36	E	P	<p>0#FRAC STG #3] WHP=0#, BRK DN PERFS @ 5154#, INJT PSI=5200#, INJT RT=49.3, ISIP=2468#, FG=.73, PUMP'D 644.4 BBLS SLK WTR W/ 21507# 30/50 MESH W/ 4900# RESIN COAT IN TAIL, ISIP=2707#, FG=.78, AR=48.4, AP=4188#, MR=50.1, MP=5072#, NPI=636#, 32/40 CALC PERFS OPEN 78%.</p> <p>STG #4] P/U RIH W/ BKR 8K CBP &amp; PERF GUN. SET CBP @ 7604', PERF WASATCH USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90° PH, 7564'-7574' 40 HOLES.</p> <p>WHP=0#, DRK DN PERFS @ 3722#, INJT PSI=4200#, INJT RT=50, ISIP=1898#, FG=.69, PUMP'D 759.3 BBLS SLK WTR W/ 25628# 30/50 MESH W/ 4933# RESIN COAT IN TAIL, ISIP=2112#, FG=.72, AR=50, AP=3537#, MR=50.3; MP=4400#, NPI=114#, 31/40 CALC PERFS OPEN 73%.</p> <p>STG #5] P/U RIH W/ BKR 8K CBP &amp; PERF GUN, SET CBP @ 7328' PERF WASATCH USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 990° PH, 7288-7298' 40 HOLES.</p> <p>WHP=1075#, BRK DN PERFS @ 3041#, INJT PSI=3800#, INJT RT=50, ISIP=1979#, FG=.71, PUMP'D 659.7 BBLS SLK WTR W/ 17659# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2122#, FG=.73, AR=47.3, AP=3543#, MR=50.2, MP=4151#, NPI=143#, 38/40 CALC PERFS OPEN 98%.</p> <p>STG #6] P/U RIH W/ BKR 8K CBP &amp; PERF GUN, SET CBP @ 7072' PERF WASATCH USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90° PH, 7040'-7042' 8 HOLES, 7012'-7016' 16 HOLES, 6956'-6960' 16 HOLES, [ 40 HOLES].</p> <p>WHP=0#, BRK DN PERFS @ 2004#, INJT PSI=2650#, INJT RT=50.3, ISIP=1230#, FG=.61, PUMP'D 1096 BBLS SLK WTR W/ 40453# 30/50 MESH W/ 5110# RESIN COAT IN TAIL, ISIP=1399#, FG=.64, AR=50.3, AP=2414#, MR=50.8, MP=3107#, NPI=169#, 40/40 CALC PERFS OPEN. 100%.</p> <p>STG #7] P/U RIH W/ BKR 8K CBP &amp; PERF GUN, SET CBP @ 6860', PERF WASATCH USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90° PH, 6824'-6830' 24 HOLES, 6694'-6698' 16 HOLES, [40 HOLES].</p> <p>WHP=0#, BRK DN PERFS @ 1792#, INJT PSI=3000#, INJ RT=50, ISIP=1298#, FG=.63, PUMP'D 919.3 BBLS SLK WTR W/ 33285# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=1253#, FG=.62, AR=50.2, AP=2617#, MR=50.6, MP=3293#, NPI=-45#, 34/40 CALC PERFS OPEN 92%.</p> <p>STG #8] P/U RIH W/ BKR 8K CBP &amp; PERF GUN, SET CBP @ 5444', PERF WASATCH USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90° PH, 5390'-5394' 16 HOLES, 5344'-5350' 24 HOLES [40 HOLES]</p> <p>WHP=0#, BRK DN PERFS @ 1335#, INJT PSI=3000, INJT RT=50, ISIP=839#, FG=.59, PUMP'D 964 BBLS SLK WTR W/ 43296# 30/50 MESH W/ 5000# RESIN IN TAIL, ISIP=1817#, FG=.78, AR=50.2, AP=2875#, MR=50.4, MP=3293#, NPI=978#, 23/40 CALC PERFS OPEN 66%.</p> <p>P/U RIH W/ BKR 8K CBP &amp; SET @ 5294', POOH WELL WOULD NOT BLEED OFF, RIH W/ DUMMIE RUN FOUND PLUG @ 5294' POOH RIH W/ ANOTHER PLUG SET @ 9260' WELL BLED OFF, R/D CUTTERS &amp; WEATHERFORD, DRAINED EQUIP, SWIFN.</p>
1/2/2009	SUPERVISOR: KEN WARREN						MD:
7:00	- 7:15	0.25	COMP	48		P	HSM, N/D, N/U
7:15	- 18:00	10.75	COMP	44	C	P	OPEN WELL 0# SICP, N/D FRAC VALVES, N/U BOPS, P/U 2-7/8 BIT W/ SHIFT OPEN SUB PKG, RIH TAG KILL PLUG @ 5254', P/U PWR SWVL, TRY TO EST CIRC W/ FOAM UNIT & PRESSURED UP TO 2000# [PLUGGED TBG] POOH W/ 48 JNTS SWIFN.
1/5/2009	SUPERVISOR: KEN WARREN						MD:
7:00	- 7:15	0.25	COMP	48		P	HSM, POOH.

Wins No.: 94941		NBU 921-9C				API No.: 4304739241	
7:15 - 18:00		10.75	COMP	44	P	DUE TO WEATHER CONDITIONS DID NOT GET EQUIP STARTED UNTILL 10:00.	
		OPEN WELL 0# SITP, 300# SICP, BLOW WELL DN, CONTINUE TO POOH, FOUND COLLAR STOP BUMPER SPRING @ APPROX. 7260' WAS ABLE TO FLUSH TBG TURN AROUND TRIP IN HOLE TAG KILL PLUG #1] @ 5254' P/U PWR SWVL, MIRU AIR FOAM UNIT EST CIRC DRL THROUGH BKR 8K CBP IN 10 MIN. 100# INCREASE. TAG KILL PLUG #2] @ 5284' DRL THROUGH BKR 8K CBP IN 10 MIN. 0# INCREASE, CONTINUE TO RIH.					
		PLUG #2] TAG SAND @ 5390' [25' FILL] C/O & DRL THROUGH BKR 8K CBP @ 5415 IN 10 MIN. LOST CIRC WAITED 30 MIN TO CATCH CIRC, RIH TAG SAND @ 6830' PULL BACK ABOVE PERFS & TURN WELL OVER TO FLOW BACK CREW FOR NIGHT. EOT @ 5250'					
1/6/2009	SUPERVISOR: KEN WARREN					MD:	
7:00 - 7:15		0.25	COMP	48	P	HSM, GOOD CONTACT W/ FOAM UNIT OPERATOR	
7:15 - 18:00		10.75	COMP	44	C P	PROBLEMS GETTING STARTED DUE TO WEATHER OPEN WELL 0# SITP, 0# SICP,	
		PLUG #3] RIH TAG SAND @ 6830' [24' FILL] P/U PWR SWVL EST CIRC W/ AIR FOAM UNIT, C/O & DRL THROUGH BKR 8K CBP @ 6854' IN 12 MIN. 100# INCREASE. CONTINUE TO RIH.					
		PLUG #4] TAG SAND @ 7031' [30' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7061' IN 10 MIN. 0# INCREASE, CONTINUE TO RIH.					
		PLUG #5] TAG SAND @ 7308' [20' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7228' IN 10 MIN. 100# INCREASE, CONTINUE TO RIH.					
		PLUG #6] TAG SAND @ 7590' [14' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7604' IN 20 MIN. 200# INCREASE, CONTINUE TO RIH.					
		PLUG #7] TAG SAND @ 7940' [34' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7974' IN 10 MIN. 0# INCREASE, PULL UP TURN OVER TO FLOW BACK CREW FOR NIGHT. LEAVE WELL FLOWING OT TANK FOR NIGHT.					
1/7/2009	SUPERVISOR: KEN WARREN					MD:	
7:00 - 7:15		0.25	COMP	48	P	HSM, WORKIING W/ PWR SWVL	
7:15 - 18:00		10.75	COMP	44	C P	WELL STILL FLOWING, PLUG #8] RIH TAG SAND @ 8582', P/U PWR SWVL EST CIRC W/ AIR FOAM, C/O & DRL THROUGH BKR 8K CBP @ 8602' IN 8 MIN, 200# INCREASE, CONTINUE TO RIH C/O TO BKR 8K FLOW THROUGH PLUG @ 8854' CIRC HOLE, R/D PWR SWVL, L/D 31 JNTS ON FLOAT, P/U HANGER & LAND W/ 249 JNTS 2-3/8 L-80 TBG W/ EOT @ 7888.82', R/D TBG EQUIP. N/D BPOS, N/U WELL HEAD, DROP BALL, SHIFT OPEN SUB W/ 1800#, WELL FLOWING TO FLOW BACK TANK FOR 30 MIN. & DIED, HOOKED AIR FOAM TO CSG TO HELP WELL UNLOAD, WELL FLOWIING, TURN OVER TO FLOW BACK CREW.	
1/8/2009	SUPERVISOR: JR PEREZ					MD:	
7:00 -				33	A	7 AM FLBK REPORT: CP 2100#, TP 350#, 20/64" CK, 25 BWPH, - SAND, - GAS TTL BBLs RECOVERED: 3475 BBLs LEFT TO RECOVER: 11112	
10:00 -			PROD			WELL TURNED TO SALES @ 1000 HR ON 1/8/2009 - FTP 600#, CP 2200#, CK 20/64", 250 MCFD, 600 BWPD	
1/9/2009	SUPERVISOR: JR PEREZ					MD:	
7:00 -				33	A	7 AM FLBK REPORT: CP 2200#, TP 900#, 20/64" CK, 25 BWPH, - SAND, - GAS TTL BBLs RECOVERED: 4165 BBLs LEFT TO RECOVER: 10422	
1/10/2009	SUPERVISOR: JR PEREZ					MD:	

Wins No.: 94941	NBU 921-9C	API No.: 4304739241
7:00 -	33 A	7 AM FLBK REPORT: CP 2000#, TP 900#, 20/64" CK, 20 BWPH, CLEAN SAND, - GAS TTL BBLS RECOVERED: 4695 BBLS LEFT TO RECOVER: 9892



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

amended

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☐ New Well ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: \_\_\_\_\_

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE LP

3. Address  
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3a. Phone No. (include area code)  
435.781.7024

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface NE/NW 896'FNL, 1569'FWL

At top prod. interval reported below

At total depth

14. Date Spudded  
05/06/2008

15. Date T.D. Reached  
06/04/2008

16. Date Completed 01/08/2009  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
4,747'GL

18. Total Depth: MD 10,300'  
TVD

19. Plug Back T.D.: MD 8,854'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
N/A

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14" STEEL	36.7#		40'		28 SX			
12 1/4"	9 5/8" J-55	36#		2,760'		600 SX			
7 7/8"	4 1/2 I-80	11.6#		10,300'		1,870 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	7,889'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5,344'	7,944'	5,344'-7,944'	0.36	240	OPEN
B) MESAVERDE	8,388'	8,836'	8,388'-8,836'	0.36	80	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5,344'-7,944'	PMP 5,080 BBLS SLICK H2O & 181,828# 30/50 OTTOWA SD
8,388'-8,836'	PMP 9,506 BBLS SLICK H2O & 362,413# 30/50 OTTOWA SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/8/09	1/14/09	24	→	40	950	600			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
18/64	824#	1589#	→	40	950	600		PRODUCING GAS WELL	

RECEIVED

FEB 09 2009

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28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/8/09	1/14/09	24	→	40	950	600			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
18/64	824#	1589#	→	40	950	600		PRODUCING GAS WELL	

\*(See instructions and spaces for additional data on page 2)

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1,872'				
MAHOGANY	2,677'				
WASATCH	5,320'	8,330'			
MESAVERDE	8,364'	10,200'			

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 02/06/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)